

Digitized by the Internet Archive  
in 2017 with funding from  
Metropolitan New York Library Council - METRO











St. Luke's Hospital

# WORK BOOK

Hospital  
Organization

Service  
Reports

Finance &  
Statistics

## Hospital Organization

- A1 Report of the President
- A2 Board of Trustees
- A3 Committees of the Board
- A4 St. Luke's Hospital Auxiliary
- A5 Assistant Board
- A6 Medical Board & Committees
- A7 Report of Executive Director
- A8 Administrative Staff
- A9 Hospital Volunteers

## Service Reports

- B1 Anesthesia
- B2 Dermatology
- B3 Medicine
- B4 Obstetrics & Gynecology
- B5 Oral Surgery & Dentistry
- B6 Orthopedics
- B7 Otolaryngology
- B8 Pathology
- B9 Pediatrics
- B10 Physical Medicine
- B11 Psychiatry
- B12 Radiology
- B13 Surgery
- B14 Urology
- B15 The Medical Staffs
- B16 Scientific Publications
- B17 Nursing Service
- B18 School of Nursing Report
- B19 The Nursing Staffs
- B20 Organizations

## Finance & Statistics

- St. Luke's Hospital
- C1 Balance Sheet
- C2 Income/Expense Statement
- C3 Gift Record
- C4 Patient Statistics
- Woman's Hospital
- C5 Balance Sheet
- C6 Income/Expense Statement
- C7 Gift Record
- C8 Patient Statistics

The contents of the Work Book may be located by flipping the upper right corners of the pages and finding the "letter-number" which corresponds to the desired section as shown in the listings above (e.g., flip to B3 for the report of the Medical Service). In addition, a conventional paged index appears on pages 2 and 3.

Scientific and Statistical Reports for 1963 | Hospital Organization for 1964  
St. Luke's Hospital | 421 West 113 Street | New York, N. Y. 10025 | UN 5-3000

(All lists appearing in the Work Book, unless noted, are as of July 1, 1964)

# Contents

## Hospital Organization

Report of the President	5
Board of Trustees	9
Committees of the Board	10
St. Luke's Hospital Auxiliary	12
Assistant Board	15
Medical Board	16
Standing Committees of the Medical Board	18
Special Committees of the Medical Board	20
Report of Executive Director	23
Administrative Staff	26
Hospital Volunteers	28



## Service Reports

Anesthesia 35  
Dermatology 37  
Medicine 40  
Obstetrics & Gynecology 59  
Oral Surgery & Dentistry 71  
Orthopedics 73  
Otolaryngology 78  
Pathology 83  
Pediatrics 85  
Physical Medicine, 86  
Psychiatry 89  
Radiology 93  
Surgery 98  
Urology 124  
  
The Medical Staffs 126  
House Staff 141  
Scientific Publications 147  
Nursing Service 155  
School of Nursing Report 159  
The Nursing Staff 162  
Organizations 165

## Finance & Statistics

St. Luke's Hospital:  
Balance Sheet 168  
Income/Expense Statement 170  
Gift Record 172  
Patient Statistics 180  
  
Woman's Hospital:  
Balance Sheet 194  
Income/Expense Statement 196  
Gift Record 199  
Patient Statistics 201



# Report of the President

A. Varick Stout

One of the common characteristics of all metropolitan hospitals and, in truth, of all hospitals everywhere, is their increasing complexity, not only in the areas of new drugs, techniques and equipment, but in the less dramatic, but equally important realms of management and administration. This fact has long been recognized by St. Luke's and during 1963, a realignment of the Board of Trustees, which created two additional executive posts, went a long way toward dividing the tremendous responsibilities which had previously rested solely with the President. Jarvis Cromwell, who has been a Trustee since 1937 and President for almost four years, became, under the new structure, the first Chairman of the Board of Trustees and Henry B. Guthrie, a former officer of the Woman's Hospital before the 1953 merger, and since that time a Trustee of St. Luke's, serving first as Assistant Secretary and later as Vice-President, became the initial Chairman of the Executive Committee.

The Board feels that through this means of dividing some of the duties, the President will be freed to devote more time to the more important problems which face him, and also that, as the trend toward increased complexity and growth continues, a larger executive group will be able to manage more efficiently than would a single individual.

The major job facing the Trustees during 1963 has been the raising of funds necessary to complete both the new Woman's Hospital building and the proposed new Research and Special Services Building. Under the capable leadership of Daniel P. Davison, appointed upon the change of presidents, The Dual Century Fund Committee increased the total raised to \$7,300,000 by the close of

1963. Anticipated federal aid plus the renewed determination of Mr. Davison and his committee indicate eventual success in our quest for \$14,000,000.

In addition to raising funds, the Board has been concerned with the planning and construction of the new Woman's Hospital. Hopes are to occupy the 109-bed building by Spring of 1965. Construction proceeds somewhat slower than we might hope, but our desire to see the new facilities completed would render us impatient under the most ideal circumstances.

#### **St. Luke's Hospital Auxiliary**

Under the leadership of its President, Mrs. John P. West, the Auxiliary provides aid in many areas to St. Luke's. The annual luncheon and fashion show at the Plaza continues as one of the important Spring social events, and in 1963 paid for the decoration of two solaria in the private pavilions.

The Gift Shop this year provided the funds for the redecoration of the waiting rooms, lobbies and cashiers' office in the ground floor of the Scrymser Pavilion. Long an asset to the friends and family of patients and the staff, the Gift Shop also provides a source of energy and money for various projects of redecoration and improvement in various areas of the Hospital.

Other services of the Auxiliary including the patients' book cart and library and the annual combined volunteer tea and staff art show, grow in importance and size each year. Mrs. West notes exciting plans for the Auxiliary as it looks forward to the celebration of its 50th year of service to St. Luke's during 1964.

#### **Assistant Board**

This able arm of the Woman's Hospital, led by Mrs. John S. Burke, Jr., has spent most of the year making preparation for its move to the new building next to St. Luke's. Planning the decoration of patient rooms and the various public areas has been a major task, as have the decisions concerning the furnishing of these areas and the disposition of old furniture.

### **Special Events Committee**

Composed of members of the Assistant Board and the St. Luke's Auxiliary, this relatively new committee, formed to plan events to help pay the joint pledge of the two parent groups has, in the past year, been one of the most active and, happily, successful groups in the Hospital. The first of a series of events, a prize drawing held in the early Summer of 1963, netted nearly \$40,000, and the second event, the "Top-of-the-Fair-Ball" at the World's Fair in the Spring of '64, raised even more. The plans of the Special Events Committee for the future promise even more in the way of pleasurable events and funds for the capital needs of St. Luke's-Woman's Hospitals.

### **The Medical Board**

The Medical Board, under the presidency of Dr. Harold A. Zintel, recorded an active year in which three new Directors of Service were appointed. Dr. Louis S. Blancato succeeded Dr. G. Edgar Burford as Director of Anesthesiology. Dr. Burford remains an active member of the Anesthesia Service. Dr. Harold M. M. Tovell assumed the directorship of Obstetrics and Gynecology at the Woman's Hospital and Dr. Stuart S. Stevenson was named Director of Pediatrics, effective March 1, 1964. Each of the three are excellent clinicians, as well as able administrators. Their plans call for heightened teaching activities, as well as the continued excellence of the clinical services.

Dr. Zintel reported to the Board during the year on the progress of discussions with representatives of Morningside House, a major facility for the elderly planned to be built opposite the Cathedral of St. John the Divine on Amsterdam Avenue. Under the proposal St. Luke's would co-operate closely in the medical care of the residents.

### **Acknowledgments**

St. Luke's growth and advancement is as much a result of its friends whose generosity provides the capital for the expansion of facilities and services as it is of its excellent staff. In the third section of these reports there are listed the major contributors to the many funds of

St. Luke's and Woman's Hospitals. To them and to those whose names could not be listed because of space restriction go our deepest thanks.

Mr. Charles W. Davidson, whose report follows, has completed his first full year as Executive Director and deserves the thanks of all connected with the Hospital. Under his guidance we have emerged from a period of uncertainty to a position of strength. Our vision is one of considerable expansion and change and with his unfailingly helpful and accurate advice and efforts, I am sure that we shall realize that vision completely.

St. Luke's unique quality is due in no small measure to the deep religious feelings which founded the Hospital and which have sustained it through the years. The Department of Religious Services which fosters this spirit today is headed by Chaplain Cornelius P. Trowbridge. He and his three assistants, all priests of the Episcopal Church, provide spiritual counsel and comfort to patients and staff and create, almost by their presence, a tangible desire to serve on the part of other members of the staff. This "Spirit of St. Luke's" often spoken of, but seldom defined, is traceable to Chaplains Trowbridge, Wyatt, Louis and Walworth.

Finally, may I thank all those thousands of employees whose devotion to St. Luke's and Woman's means so much. Hospitals have been described as "people helping people." At St. Luke's that is amplified by our motto: "Corpus Sanare, Animam Salvare: To Heal the Body, to Soothe the Soul." In the performance of his job, each person furthers that ideal. By so doing we have successfully completed one year and can look forward in renewed eagerness to serve and confidence, to the next.

A.V.S.

## Officers

*Chairman of the Board:*  
Jarvis Cromwell

*President:*

A. Varick Stout

*Chairman of the  
Executive Committee:*  
Henry B. Guthrie

*Vice President:*

F. Huntington Babcock

*Vice President:*

Clarence G. Michalis

*Vice President and*

*Assistant Secretary:*

Daniel P. Davison

*Treasurer:*

Van Rensselaer Halsey

*Secretary:*

J. Stewart Baker, Jr.

## Board of Trustees

*(whose terms expire respectively at  
the close of the annual meeting of  
the corporation in the following years )*

### 1964

J. Stewart Baker, Jr.

Jarvis Cromwell

Charles E. Dunlap

Mrs. J. Winston Fowlkes

Henry B. Guthrie

Kenneth A. Ives

Clifford W. Michel

Donald G. Price

Henry R. Sutphen, Jr.

John W. F. Treadwell, C.B.E.

### 1965

Mrs. Simmons Coleman

Mrs. Howland S. Davis

John P. Humes

Peter Iselin

David T. McGovern

Clarence G. Michalis

Ricard R. Ohrstrom

Eben W. Pyne

Frederick Sheffield

A. Varick Stout

### 1966

F. Huntington Babcock

Charles E. Brown

W. Macy Chamberlain

Daniel P. Davison

Van R. Halsey

Clarence F. Michalis

Mrs. Harold R. Mixsell

Perry R. Pease

Curt H. Reisinger

Arnold Whitridge

Frederick J. Woodbridge

## Trustees Ex-officio

*Representatives  
of St. George's Society:*

David Granger

Hiram A. Mathews

*The Bishop of the  
Diocese of New York:*

The Right Reverend  
Horace W. B. Donegan,  
D.D., D.C.L.

*The Mayor of the  
City of New York:*

The Honorable  
Robert F. Wagner

*The President of  
the Medical Board:*

William S. Norton, II, M.D.

*The President of  
St. Luke's Hospital Auxiliary:*

Mrs. John P. West

*The Chairman of the  
Woman's Hospital*

*Assistant Board:*

Mrs. John S. Burke, Jr.

## Honorary Trustees

Mrs. F. Huntington Babcock

J. Stewart Baker

Mrs. Douglas M. Black

Edward S. Blagden

Charles S. Brown

Mrs. Mellon Bruce

Chauncey B. Garver

William S. Gray

Frederic R. King, F.A.I.A.

William A. Read

William J. Schieffelin

Edwin S. S. Sunderland

Mrs. Walbridge S. Taft

Schuyler Van Vechten

Samuel B. Webb

Hon. Alan M. Williams, C.M.G.

*Counsel:*

Appleton, Rice & Perrin

*Executive Director of the Hospital:*

Charles W. Davidson, B.A., C.P.A.

## Board of Trustees Standing Committees

### Executive Committee

Mrs. John S. Burke, Jr.  
W. Macy Chamberlin  
Mrs. J. Winston Fowlkes  
Curt H. Reisinger  
Frederick Sheffield  
Henry R. Sutphen, Jr.  
Arnold Whitridge  
(Officers of the Hospital and  
the President of the Medical Board,  
all ex-officio)

### Finance Committee

Clifford W. Michel, *Chairman*  
F. Huntington Babcock  
J. Stewart Baker, Jr.  
Van R. Halsey  
Clarence F. Michalis  
Clarence G. Michalis  
Ricard R. Ohrstrom  
Perry R. Pease

### Committee on Legal Affairs

Frederick Sheffield, *Chairman*  
Henry B. Guthrie  
David T. McGovern

### Nominating Committee

Charles E. Brown, *Chairman*  
Daniel P. Davison  
David T. McGovern  
Clarence F. Michalis  
Eben W. Pyne  
Frederick Sheffield

### Committee on Nursing

Arnold Whitridge, *Chairman*  
Mrs. Simmons Coleman  
Peter Iselin  
Kenneth A. Ives  
\*Miss Erica Kohler  
\*Miss Eleanor Lambertson  
Curt H. Reisinger  
\*Miss Mary Tyrie



### **Committee on Public Relations and Fund Raising**

Daniel P. Davison, *Chairman*

J. Stewart Baker, Jr.

Charles E. Brown

\*Mrs. Edward P. Childs

Mrs. J. Winston Fowlkes

\*Francis G. Geer, M.D.

David Granger

Kenneth A. Ives

\*Mrs. Edmund C. Lynch, Jr.

Clifford W. Michel

Ricard R. Ohrstrom

Perry R. Pease

Eben W. Pyne

Henry R. Sutphen, Jr.

The Brig. J. W. F. Treadwell

\*The Reverend Cornelius P. Trowbridge

### **Building Committee**

Clarence G. Michalis, *Chairman*

Mrs. John S. Burke, Jr.

Charles E. Brown

\*Mrs. Thomas A. Ennis

Mrs. J. Winston Fowlkes

Henry B. Guthrie

\*Mrs. Frederic G. Hoppin

Frederic R. King

Frederick J. Woodbridge

### **Committee on Religious Services**

The Brig. J. W. F. Treadwell, *Chairman*

Mrs. Howland S. Davis

The Right Reverend

Horace W. B. Donegan, D.D., D.C.L.

Mrs. J. Winston Fowlkes

Kenneth A. Ives

Clarence G. Michalis

\*The Reverend Cornelius P. Trowbridge

### **Joint Conference Committee**

A. Varick Stout, *Chairman (ex-officio)*

F. Huntington Babcock

J. Stewart Baker, Jr.

W. Macy Chamberlin

Jarvis Cromwell

Daniel P. Davison

Henry B. Guthrie

Van R. Halsey

Clarence G. Michalis

\*Charles W. Davidson

#### *Medical Board:*

Alexander E. W. Ada, M.D.

William S. Norton, II, M.D.

Stuart S. Stevenson, M.D.

Harold M. M. Tovell, M.D.

Theodore B. Van Itallie, M.D.

Harold A. Zintel, M.D.

### **Committee on Hospital Decorating**

Mrs. J. Winston Fowlkes, *Chairman*

Mrs. Simmons Coleman

\*Mrs. Clarence G. Michalis

\*Mrs. Carl S. Oakman

\*John P. West, M.D.

### **Committee on Budget and Personnel**

W. Macy Chamberlin, *Chairman*

Mrs. John S. Burke, Jr.

Henry B. Guthrie

Hiram A. Mathews

David T. McGovern

Clarence F. Michalis

Henry R. Sutphen, Jr.

\*By invitation

# St. Luke's Hospital Auxiliary

## Officers

**May 1964—May 1965**

*President:*

Mrs. John P. West

*1st Vice-President:*

Mrs. John P. Lins

*2nd Vice-President:*

Mrs. Hilton H. Stothers

*Corresponding Secretary:*

Mrs. Theron O. Worth, Jr.

*Recording Secretary:*

Mrs. C. Louis Gilbert

*Treasurer:*

Miss Gertrude R. Hoyt

## Chairmen of

### Standing Committees

*Church:*

Mrs. James A. Paul

*Executive:*

Mrs. John P. West

*Library:*

Mrs. Wheadon M. Grant

*Social Service:*

Mrs. H. Clifford Gayley

*Membership:*

Mrs. Simmons Coleman

*Thrift Shop:*

Mrs. Mitchel J. Valicenti, Jr.

*Gift Shop:*

Mrs. William T. Medl

*Volunteers:*

Miss Virginia Black

*Ways and Means:*

Mrs. John P. Lins

*Education and Public Relations:*

Mrs. Richard B. Stark

## Chairmen of

### Special Committees

*Special Events Co-Chairmen:*

Mrs. J. Winston Fowlkes

Mrs. John McN. Sullivan

*Annual Luncheon Fashion Show:*

Mrs. William F. Davidson

*Senior Ball:*

Mrs. Charles F. Schetlin

*Housekeeping:*

Mrs. Simmons Coleman

*Hospitality:*

Mrs. Charles F. Schetlin

*Out-Patient Department:*

Miss Gertrude R. Hoyt

## Active Members

**Class of 1962—1965**

Mrs. Gouverneur Carnochan

Miss Edythe S. Clarke

Mrs. George Allen Fowlkes

Mrs. Henry V. Harder

Miss Gertrude R. Hoyt

Mrs. William T. Medl

Mrs. Clarence G. Michalis

Mrs. Carl S. Oakman

Mrs. James A. Paul

Mrs. Charles F. Schetlin

Mrs. Edwin P. Stevens

Mrs. Hilton H. Stothers

Mrs. Mitchel J. Valicenti, Jr.

Mrs. W. Leicester Van Leer

Mrs. Theron O. Worth, Jr.

**Class of 1963—1966**

Mrs. Russell Allan

Mrs. Aldo Balsam

Mrs. Lawrence Chamberlain

Mrs. Reginald Conklin

Mrs. William Davidson

Mrs. Roland Donnem

Mrs. Charles E. Dunlap

Mrs. William Eldridge

Mrs. J. Winston Fowlkes

Mrs. H. Clifford Gayley

Mrs. C. Louis Gilbert

Mrs. Wheadon M. Grant

Mrs. Charles Hammrick

Mrs. Robert D. Jordan

Mrs. John P. Lins

Mrs. Reginald L. Murphey

Mrs. Salvador Ros

Mrs. Richard B. Stark

Mrs. John P. West

**Class of 1964—1967**

Mrs. John W. Bancker

Mrs. Robert G. Barnes

Mrs. Elizabeth S. Bishop

Miss Virginia Black

Mrs. Haig Carapetyan

Mrs. G. Jarvis Coffin

Mrs. Simmons Coleman

Mrs. Robert T. Edmunds

Mrs. Robert W. Fraser, Jr.

Mrs. Frederick S. Gilbert, Jr.

Mrs. Horace Hurley

Mrs. Edward J. McGrew, Jr.

Mrs. Jacob Gould Schurman

Mrs. James McB. Webster

**Honorary Members**

Mrs. F. Huntington Babcock  
 Miss Elizabeth Beebe  
 Mrs. Lyman C. Bleecker  
 Miss Adele F. Browning  
 Mrs. Edward B. Bruch  
 Mrs. Henry Sloane Coffin  
 Mrs. Lewis F. Frissell  
 Mrs. Joseph S. Minnis

**Contributing Members**

Mrs. Yancey Alexander  
 Mrs. Russell Apsey  
 Mrs. J. Stewart Baker  
 Mrs. Leslie P. Barker  
 Mrs. Robert S. Beekman  
 Miss Susan Dwight Bliss  
 Miss Mildred P. Coster  
 Mrs. Jarvis Cromwell  
 Mrs. Henry Leroy Finch  
 Miss Eleanor Greenan  
 Mrs. Lennox Grey  
 Mrs. Edmund C. Lynch, Jr.  
 Mrs. William F. MacFee  
 Mrs. Ernest R. Mantius  
 Mrs. Lawrence M. Marks  
 Mrs. John M. McKinney  
 Miss Eleanor M. Mellon  
 Mrs. Robert G. Morgan  
 Mrs. Thomas Nolan  
 Mrs. Robert G. Page  
 Mrs. John C. Pemberton  
 Mrs. William C. Riker  
 Mrs. Theodore C. Romaine  
 Mrs. William J. Schieffelin  
 Mrs. Joseph Seronde, Sr.  
 Mrs. Earl Shepherd  
 Mrs. George Shea, Jr.  
 Mrs. Lansing P. Shields  
 Mrs. Edwin S. S. Sunderland  
 Mrs. Cornelius P. Trowbridge  
 Mrs. Joseph W. Welsh

**Associate Members**

Miss Frances Achilles  
 Mrs. Alexander E. W. Ada  
 Mrs. Victor Armstrong  
 Mrs. Adolph Axelrath  
 Mrs. William C. Bibb  
 Mrs. R. Clifford Black

Mrs. Gilman D. Blake  
 Mrs. Henry G. Bugbee  
 Mrs. G. Edgar Burford  
 Mrs. Edward P. Childs  
 Mrs. Hope Coburn  
 Mrs. Harold Cruger  
 Mrs. D. Robert Cumming  
 Miss Constance Cutler  
 Mrs. John A. Dix  
 Mrs. Edward J. Donovan  
 Mrs. Howard W. Dunk  
 Mrs. Dumont F. Elmendorf  
 Miss Celestine Finley  
 Mrs. Joel Ellis Fisher  
 Mrs. Hilda Gelabert  
 Mrs. C. H. Gilbert  
 Mrs. George M. Goodwin  
 Mrs. Harold Herrick  
 Mrs. Albert C. Herring  
 Mrs. Ora Hickey  
 Mrs. Charles C. Hilliard  
 Mrs. Jed H. Irvine  
 Mrs. S. J. Isaacson  
 Mrs. James C. Joyner  
 Miss M. Adeline Knapp  
 Mrs. M. A. Koether  
 Mrs. Eugene Lada-Mocarski  
 Mrs. Leslie G. Lithgow  
 Mrs. John B. Marsh  
 Mrs. M. H. Merriman  
 Mrs. Roger Glenn Mook  
 Mrs. Frederick M. Morris  
 Miss Helen Musson  
 Mrs. Charles J. Nourse  
 Miss Gene S. Palmer  
 Mrs. Donald B. Percy  
 Mrs. D. Paul Reed  
 Mrs. Eva Rich  
 Mrs. David Rumsey  
 Mrs. Harold M. Scott  
 Mrs. J. Gordon Shand  
 Mrs. Frederick Sheffield  
 Mrs. Herbert J. Smith  
 Miss Honora Spalding  
 Mrs. J. Duncan Tansill  
 Mrs. Schuyler Van Vechten  
 Mrs. Thomas J. Watson  
 Mrs. F. Stafford Wearn  
 Mrs. Robert H. White  
 Mrs. Walter Young



Artist's sketch of the lobby of the new Woman's Hospital

## Assistant Board / Woman's Hospital

### Officers

*Honorary Chairman:*

Mrs. Walbridge S. Taft

*Chairman:*

Mrs. John S. Burke, Jr.

*1st Vice-Chairman:*

Mrs. Clendenin J. Ryan

*2nd Vice-Chairman:*

Mrs. Robert McN. Smith

*Secretary:*

Mrs. Harold F. McGuire

*Treasurer:*

Mrs. John B. Aspegren

### Chairmen of

#### Standing Committees

*Century Fund:*

Mrs. Howland S. Davis

*Decorating:*

Mrs. Charles M. Clark

Mrs. Thomas A. Ennis

*Gift Shop:*

Mrs. Charles M. Clark

*Library:*

Mrs. Harold F. McGuire

*Nominating:*

Mrs. Walbridge S. Taft

*Nursing:*

Mrs. George G. Snowden, Jr.

*Social Service:*

Mrs. Howland S. Davis

*United Hospital Fund:*

Mrs. Peter Iselin

### Representatives on

#### St. Luke's Committees

*Budget and Personnel:*

Mrs. John S. Burke, Jr.

*Building Committee:*

Mrs. John S. Burke, Jr.

\*Mrs. Thomas A. Ennis

\*Mrs. Frederic G. Hoppin

*Executive Committee*

Mrs. John S. Burke, Jr.

### Active Members

Mrs. Russell B. Aitken

Mrs. Douglas M. Black

Mrs. Walter Rice Brewster

Mrs. Mellon Bruce

Mrs. Walker G. Buckner

Mrs. Charles Martin Clark

Mrs. Howland S. Davis

Mrs. Thomas A. Ennis

Mrs. John Heminway

Mrs. Frederic G. Hoppin

Mrs. Frank MacLear

Mrs. Peter Iselin

Mrs. Edgar L. Marston, 2nd

Mrs. Hunter S. Marston

Mrs. Harold Ruckman Mixsell

Mrs. Frederic C. Peck

Mrs. George Grant Snowden, Jr.

†Mrs. Joseph S. Stout

Mrs. John McN. Sullivan

### Honorary Members

Mrs. Theodore Abel

Mrs. F. Huntington Babcock

Mrs. George W. Martin

Mrs. Huntington McLane

\*By Invitation

†Resigned March 5, 1964

## Medical Board

### Officers

*President:*

William S. Norton, II, M.D.

*Vice President:*

Alexander E. W. Ada, M.D.

*Secretary:*

Edward J. Sivigny, M.D.

### Members

Alexander E. W. Ada, M.D.

Charles G. Adsit, Jr., M.D.

Albert H. Aldridge, M.D.

Luis A. Amill, M.D.

Orrin E. Anderson, M.D.

Benjamin H. Balser, M.D.

Leslie P. Barker, M.D.

Irving H. Beckwith, M.D.

Robert S. Beekman, M.D.

Charles F. Begg, M.D.

A. L. Loomis Bell, Jr., M.D.

William B. Bell, M.D.

G. Gordon Bemis, M.D.

\*Stanley S. Bergen, Jr., M.D.

John F. Bertles, M.D.

Louis S. Blancato, M.D.

Charles K. Bogoshian, M.D.

David M. Bosworth, M.D.

Edward A. Bullard, M.D.

G. Edgar Burford, M.D.

Haig Carapetyan, M.D.

Malcolm W. Carr, D.D.S.

Robert B. Case, M.D.

Edward P. Childs, M.D.

Mather Cleveland, M.D.

G. Jarvis Coffin, M.D.

John M. Cotton, M.D.

Ruth J. Cudmore, M.D.

Frank J. Curran, M.D.

Harold W. K. Dargeon, M.D.

Arthur M. Davids, M.D.

\*Charles W. Davidson

Joshua W. Davies, M.D.

John Staige Davis, Jr., M.D.

Edward J. Donovan, M.D.

John W. Draper, M.D.

J. Frederick Eagle, Jr., M.D.

Robert T. Edmunds, M.D.

Harry Eggers, M.D.

William Epstein, M.D.

A. Reginald Everett, M.D.

Waldo B. Farnum, M.D.

James A. Feltman, M.D.

William Ferderber, D.D.S.

Nathaniel Finby, M.D.

Hugh F. Fitzpatrick, M.D.

Robert W. Fraser, Jr., M.D.

W. Guernsey Frey, M.D.  
 Francis G. Geer, M.D.  
 C. Louis Gilbert, M.D.  
 Maurice F. Goodbody, M.D.  
 Leonore L. Greteman, M.D.  
 Graham G. Hawks, M.D.  
 Samuel D. Hemley, M.D.  
 Herbert F. Hempel, M.D.  
 Albert C. Herring, M.D.  
 Reginald A. Higgons, M.D.  
 John G. Hill, M.D.  
 James G. Hilton, M.D.  
 Elizabeth B. Hinckley, M.D.  
 Walter Hipp, M.D.  
 Eugene L. Hoch, M.D.  
 George F. Hoch, M.D.  
 Frederick C. Hunt, M.D.  
 Leonard L. Hyams, M.D.  
 Jed H. Irvine, M.D.  
 Herbert F. Jackson, M.D.  
 Carl T. Javert, M.D.  
 F. Elmer Johnson, M.D.  
 Ira Snow Jones, M.D.  
 Oswald R. Jones, M.D.  
 Virginia Kanick, M.D.  
 John H. Keating, Jr., M.D.  
 Richard P. Keating, M.D.  
 William T. Kennedy, M.D.  
 James C. Kirkbright, M.D.  
 Emanuel Klempner, M.D.  
 Henriette R. Klein, M.D.  
 W. Graham Knox, M.D.  
 Juan Larralde, M.D.  
 Van Peter Latsey, M.D.  
 Leonard M. Liegner, M.D.  
 Barbara J. Logan, M.D.  
 Earl A. Loomis, M.D.  
 David M. MacDonald, M.D.  
 William F. MacFee, M.D.  
 Locke L. Mackenzie, M.D.  
 James P. Marr, M.D.  
 Ashby G. Martin, M.D.  
 Robert McClanahan, M.D.  
 Duncan R. McCuaig, M.D.  
 Victor C. McCuaig, M.D.  
 Margaret H. McKee, M.D.  
 John M. McKinney, M.D.  
 Paul C. Morton, M.D.

Leon Motyloff, M.D.  
 E. Eugene Mullen, M.D.  
 Arthur J. Murphy, M.D.  
 Joseph N. Nathanson, M.D.  
 William S. Norton, II, M.D.  
 Carl S. Oakman, M.D.  
 Bernard L. Pacella, M.D.  
 Herbert Parsons, M.D.  
 Boris P. Petroff, M.D.  
 Constantine Photos, M.D.  
 William J. Pyles, M.D.  
 Elise L. Renning, M.D.  
 Henry G. Rieger, D.D.S.  
 Nelson B. Sackett, M.D.  
 Charles F. Schetlin, M.D.  
 Fred J. Schilling, M.D.  
 Miles J. Schwartz, M.D.  
 James R. Scott, M.D.  
 Edward J. Sivigny, M.D.  
 Craig N. Smith, M.D.  
 Frank E. Smith, Jr., M.D.  
 Robert F. Solley, M.D.  
 Frank Spielman, M.D.  
 Richard B. Stark, M.D.  
 Stuart S. Stevenson, M.D.  
 Dudley C. Stone, M.D.  
 Hilton H. Stothers, M.D.  
 Edward Stroh, D.D.S.  
 John A. Taylor, M.D.  
 Samuel F. Thomas, M.D.  
 Frederick R. Thompson, M.D.  
 Harold M. M. Tovell, M.D.  
 Aino Tuul, M.D.  
 Theodore B. Van Itallie, M.D.  
 Esther M. Ward, M.D.  
 Elizabeth B. Watkins, M.D.  
 F. Stafford Wearn, M.D.  
 John P. West, M.D.  
 Stanley Whitfield, M.D.  
 Aubrey L. Whittemore, Jr., M.D.  
 Leo F. J. Wilking, Jr., M.D.  
 Edward M. Winant, M.D.  
 Myron Wright, M.D.  
 Alexander W. Young, Jr., M.D.  
 Shyh-Jong Yue, M.D.  
 Harold A. Zintel, M.D.

\*By invitation

## Standing Committees of the Medical Board—1964

### Executive Committee

William S. Norton, II, M.D., *Chairman*  
Alexander E. W. Ada, M.D.  
Leslie P. Barker, M.D.  
Charles F. Begg, M.D.  
Haig Carapetyan, M.D.  
\*Charles W. Davidson  
Harry Eggers, M.D.  
Hugh F. Fitzpatrick, M.D.  
Leonard L. Hyams, M.D.  
Edward J. Sivigny, M.D.  
Samuel F. Thomas, M.D.  
Frederick R. Thompson, M.D.  
Harold M. M. Tovell, M.D.  
Theodore B. Van Itallie, M.D.  
John P. West, M.D.  
Myron Wright, M.D.  
Harold A. Zintel, M.D.

### Nominating Committee

Edward P. Childs, M.D., *Chairman*  
Haig Carapetyan, M.D.  
Hugh F. Fitzpatrick, M.D.

### Committee on

#### Blood Transfusions and Solutions

Myron Wright, M.D., *Chairman*  
Luis A. Amill, M.D.  
John F. Bertles, M.D.  
Louis S. Blancato, M.D.  
Hugh F. Fitzpatrick, M.D.  
James G. Hilton, M.D.  
\*Bernard N. Nathanson, M.D.

### Committee on By-Laws and Rules and Regulations

Edward P. Childs, M.D., *Chairman*  
A. L. Loomis Bell, Jr., M.D.  
Haig Carapetyan, M.D.  
John M. Cotton, M.D.  
John W. Draper, M.D.  
Paul C. Morton, M.D.  
Theodore B. Van Itallie, M.D.  
John P. West, M.D.

### Committee on Convalescent Hospital

Frederick R. Thompson, M.D., *Chairman*  
Charles K. Bogoshian, M.D.  
A. Reginald Everett, M.D.  
Hugh F. Fitzpatrick, M.D.  
Maurice F. Goodbody, M.D.  
Margaret H. McKee, M.D.  
Harold M. M. Tovell, M.D.  
Shyh-Jong Yue, M.D.

### Committee on Diets

C. Louis Gilbert, M.D., *Chairman*  
John Staige Davis, Jr., M.D.  
\*Charles W. Davidson  
Hugh F. Fitzpatrick, M.D.  
Maurice F. Goodbody, M.D.  
\*Sami A. Hashim, M.D.  
\*Peter R. Holt, M.D.  
Emanuel Klempner, M.D.  
\*Robert E. McCabe, Jr., M.D.  
\*William H. Sebrell, Jr., M.D.  
Leo F. J. Wilking, Jr., M.D.  
\*E. Alliene Mosso, B.S., M.A.,  
Director of Dietetics

### Committee on Interns and Residents

Robert S. Beekman, M.D., *Chairman*  
Benjamin H. Balser, M.D.  
\*Charles W. Davidson  
Francis G. Geer, M.D.  
Stuart S. Stevenson, M.D.  
Harold M. M. Tovell, M.D.  
F. Stafford Wearn, M.D.  
Stanley Whitfield, M.D.

### Joint Conference Committee

Alexander E. W. Ada, M.D.  
William S. Norton, II, M.D.  
Stuart S. Stevenson, M.D.  
Harold M. M. Tovell, M.D.  
Theodore B. Van Itallie, M.D.  
Harold A. Zintel, M.D.

\*By invitation



*Board of Trustees:*

F. Huntington Babcock  
 J. Stewart Baker, Jr.  
 W. Macy Chamberlin  
 Jarvis Cromwell  
 Daniel P. Davison  
 Henry B. Guthrie  
 Van R. Halsey  
 Clarence G. Michalis  
 A. Varick Stout  
 \*Charles W. Davidson

**Committee on  
 Medical Records and Library**

F. Stafford Wearn, M.D. *Chairman*  
 William Ferderber, D.D.S.  
 \*E. Grey Gooby  
 W. Graham Knox, M.D.  
 Bernard L. Pacella, M.D.  
 Miles J. Schwartz, M.D.  
 Edward J. Sivigny, M.D.  
 Aubrey L. Whittemore, Jr., M.D.  
 \*A. Rose Taddonio, R.R.L.  
 \*Rachael McLaughlin, B.A.

**Committee on  
 Medical Staff Education**

A. L. Loomis Bell, Jr., M.D., *Chairman*  
 Nathaniel Finby, M.D.  
 Richard P. Keating, M.D.  
 Elise L. Renning, M.D.  
 Frederick R. Thompson, M.D.

**Committee on Nursing**

Edward M. Winant, M.D., *Chairman*  
 Charles G. Adsit, Jr., M.D.  
 Graham G. Hawks, M.D.  
 David M. MacDonald, M.D.  
 \*Robert E. McCabe, Jr., M.D.  
 Robert McClanahan, M.D.  
 Carl S. Oakman, M.D.  
 Constantine Photos, M.D.  
 Craig N. Smith, M.D.  
 Stuart S. Stevenson, M.D.  
 \*Helen Umano, R.N., B.S., M.A.,  
 Director, Nursing Service  
 \*Evelyn M. Peck, R.N., B.S., M.A.,  
 Director, School of Nursing  
 \*Gwen Collier, R.N., B.S.,  
 Director of Nursing, Woman's Hospital

**Committee on Out-Patient Department**

Charles F. Schetlin, M.D., *Chairman*  
 \*Peter A. Bossart, M.D.  
 \*Hugh C. Davidson, Jr., M.D.  
 Francis G. Geer, M.D.  
 Eugene L. Hoch, M.D.  
 Virginia Kanick, M.D.  
 John H. Keating, Jr., M.D.  
 Van P. Latsey, M.D.  
 Earl A. Loomis, M.D.  
 Craig N. Smith, M.D.  
 Richard B. Stark, M.D.  
 Edward Stroh, D.D.S.  
 \*Paul R. Torrens, M.D.  
 Elizabeth B. Watkins, M.D.  
 Edward M. Winant, M.D.  
 Alexander W. Young, Jr., M.D.  
 \*Dorothy Wild, R.N.

**Committee on  
 Pharmacy and Formulary**

Charles G. Adsit, Jr., M.D., *Chairman*  
 \*Charles W. Davidson  
 James A. Feltman, M.D.  
 Robert W. Fraser, Jr., M.D.  
 Leonora L. Greteman, M.D.  
 James G. Hilton, M.D.  
 Jed H. Irvine, M.D.  
 Ira Snow Jones, M.D.  
 Frank Spielman, M.D.  
 Samuel F. Thomas, M.D.  
 Hugo V. de Caprariis, B.S.,  
 Chief Pharmacist

**Committee on  
 Private Patients and Courtesy List**

John H. Keating, Jr., M.D., *Chairman*  
 Frank J. Curran, M.D.  
 \*Charles W. Davidson  
 Leonard L. Hyams, M.D.  
 Carl S. Oakman, M.D.  
 Boris P. Petroff, M.D.

## Special Committees

### Archives Committee

Richard B. Stark, M.D., *Chairman*  
Luis A. Amill, M.D.  
John H. Keating, Jr., M.D.  
James P. Marr, M.D.  
Paul C. Morton, M.D.  
Hilton H. Stothers, M.D.  
Samuel F. Thomas, M.D.

### Committee on Management of Communicable Diseases and Infection Control

Charles K. Bogoshian, M.D., *Chairman*  
Charles F. Begg, M.D.  
\*Charles R. Blair, M.D.  
\*Robert M. Cushing, M.D.  
\*Charles W. Davidson  
Robert W. Fraser, Jr., M.D.  
Stuart S. Stevenson, M.D.  
\*Helen Umamo, R.N., B.S., M.A.,  
Director, Nursing Service  
\*Lula Ruffin, R.N., B.S., M.A.,  
Supervisor, Obstetrical Services  
\*Marion E. Wilson, Ph.D.

### Disaster Committee

Robert T. Edmunds, M.D., *Chairman*  
\*Vivian J. Ahl, R.N., B.S., M.A.  
\*Charles W. Davidson  
C. Louis Gilbert, M.D.  
\*E. Grey Gooby  
\*Paul R. Torrens, M.D.  
\*Helen Umamo, R.N., B.S., M.A.,  
Director, Nursing Service  
\*Carl P. Wright, Jr.

### Committee to Study Hospital Utilization

Robert W. Fraser, Jr., M.D., *Chairman*  
Benjamin H. Balser, M.D.  
Haig Carapetyan, M.D.  
Miles J. Schwartz, M.D.  
Robert F. Solley, M.D.  
Edward M. Winant, M.D.

### Intensive Care Unit

\*\*Hugh F. Fitzpatrick, M.D., *Chairman*  
\*\*A. L. Loomis Bell, Jr., M.D.  
Louis S. Blancato, M.D.  
\*Charles W. Davidson  
Stanley Whitfield, M.D.  
Myron Wright, M.D.  
\*Helen Umamo, R.N., B.S., M.A.,  
Director, Nursing Service

### Isotope Committee

Richard P. Keating, M.D., *Chairman*  
Charles F. Begg, M.D.  
John F. Bertles, M.D.  
Nathaniel Finby, M.D.  
Samuel D. Hemley, M.D.  
Leonard M. Liegner, M.D.  
\*Harald H. Rossi, Ph.D.

### Operating Room Committee

Harold A. Zintel, M.D., *Chairman*  
Louis S. Blancato, M.D.  
\*Charles W. Davidson  
John W. Draper, M.D.  
Harry Eggers, M.D.  
W. Graham Knox, M.D.  
Henry G. Rieger, D.D.S.  
Frederick R. Thompson, M.D.  
Harold M. M. Tovell, M.D.  
Stanley Whitfield, M.D.  
\*Helen Umamo, R.N., B.S., M.A.,  
Director, Nursing Service  
\*Louise Barkin, R.N.,  
Assistant Director of Nursing Service,  
Operating Room  
\*Edith Pearce, R.N., B.S.,  
Supervisor, Recovery Room  
\*Averil Lawrence, R.N.,  
Supervisor, Operating Room,  
Woman's Hospital  
\*Eleanor McHugh, R.N., B.S.,  
Supervisor, Recovery Room,  
Woman's Hospital

### Committee on Physical Medicine

Edward M. Winant, M.D., *Chairman*  
\*Peter A. Bossart, M.D.  
\*Robert S. Graham, M.D.  
Jed H. Irvine, M.D.  
Richard B. Stark, M.D.  
\*Hudson J. Wilson, M.D.

**Committee on Private Practice Offices**

Myron Wright, M.D., *Chairman*

Orrin E. Anderson, M.D.

A. L. Loomis Bell, Jr., M.D.

\*Charles W. Davidson

Robert T. Edmunds, M.D.

\*E. Grey Gooby

Richard B. Stark, M.D.

Harold M. M. Tovell, M.D.

**Joint Committee for Professional Care  
—Columbia University Health Service**

Harry Eggers, M.D.

James A. Feltman, M.D.

C. Louis Gilbert, M.D.

David M. MacDonald, M.D.

Charles F. Schetlin, M.D.

**Committee on Public Relations**

Robert S. Beekman, M.D., *Chairman*

Edward J. Sivigny, M.D.

Hilton H. Stothers, M.D.

**Committee on Study and Planning**

John P. West, M.D., *Chairman*

Robert S. Beekman, M.D.

Charles F. Begg, M.D.

Edward P. Childs, M.D.

\*Charles W. Davidson

Edward J. Sivigny, M.D.

Frederick R. Thompson, M.D.

Theodore B. Van Itallie, M.D.

**Committee on Teaching Affiliation  
with College of Physicians and Surgeons**

Edward P. Childs, M.D.

John M. Cotton, M.D.

\*Charles W. Davidson

Stuart S. Stevenson, M.D.

Harold M. M. Tovell, M.D.

Theodore B. Van Itallie, M.D.

Harold A. Zintel, M.D.

**Tissue Committee**

Charles F. Begg, M.D., *Chairman*

Arthur M. Davids, M.D.

Robert T. Edmunds, M.D.

Barbara J. Logan, M.D.

Richard B. Stark, M.D.

**Tumor Committee**

Leonard M. Liegner, M.D., *Chairman*

\*John S. Aldridge, M.D.

Charles F. Begg, M.D.

John F. Bertles, M.D.

Harold W. K. Dargeon, M.D.

\*Robert T. Edmunds, M.D.

Nathaniel Finby, M.D.

Juan Larralde, M.D.

Duncan R. McCuaig, M.D.

\*Edward H. Reisner, Jr., M.D.

Charles F. Schetlin, M.D.

Harold M. M. Tovell, M.D.

**Committee on Therapeutic Abortion**

Haig Carapetyan, M.D., *Chairman*

David M. MacDonald, M.D.

Myron Wright, M.D.

*Alternates:*

Leonard M. Hyams, M.D.

John M. Cotton, M.D.

Charles G. Adsit, Jr., M.D.

Alexander E. W. Ada, M.D.

*Consultant*

**Committee on Animal Care**

Charles F. Begg, M.D., *Chairman*

John W. Draper, M.D.

Hugh F. Fitzpatrick, M.D.

James G. Hilton, M.D.

**Laboratory Committee**

Charles F. Begg, M.D., *Chairman*

Maurice F. Goodbody, M.D.

W. Graham Knox, M.D.

**Committee on Morningside House**

Francis G. Geer, M.D., *Chairman*

Hugh F. Fitzpatrick, M.D.

James A. Feltman, M.D.

**Patient Safety Committee**

Miles J. Schwartz, M.D., *Chairman*

\*Edward G. Stanley-Brown, M.D.

\*Hudson J. Wilson, M.D.

\*By Invitation

\*\*As representatives of their respective  
Directors of Service



# The Report of the Executive Director

Charles W. Davidson, B.A., C.P.A.

The year 1963 was one of change, and, inevitably, progress—for a hospital cannot stand still. Although the most visible sign of that progress was the construction of the Woman's Hospital, there was also considerable building activity inside the walls of the General Hospital.

Early in the year, the Intensive Care Unit of fourteen beds was opened in a completely renovated area of one of our older buildings. It was designed to provide critically ill patients with immediately available equipment of a special nature suited to the urgent situations which might develop and also, intensive round-the-clock care by nursing and medical staff. Most important, each patient in this new unit is in constant view of the large staff of nurses. By the end of the year, the average daily occupancy of this fourteen bed unit was ten patients.

Equally startling, from a visual standpoint, was the transformation of the Scrymser lobby and waiting rooms financed largely by the St. Luke's Hospital Auxiliary. The entire Hospital Family is in their debt.

A major expenditure was necessary during the year to purchase and install an emergency electrical generator capable of supplying power to the hospital, if regular sources fail. The unit, one of the largest available, will, hopefully, never have to be used, but the safety of patients in St. Luke's and later in Woman's may, sometime, depend on electrically powered equipment and adequate light, provided by such stand-by service.

But a hospital is not just buildings and equipment, it is primarily people. Naturally, most of our normal activity is concerned with patients and the activities of the Hospital Staff, but last year in particular

it seemed that a major part of our time revolved about the general topic of personnel. Our program of group life insurance, which in 1935 was one of the first such benefits to hospital employees in the City, was expanded so that, now, all employees receive free life insurance equal in amount to half their annual salary. Provision has been made for employees to purchase additional coverage equal to the remaining half of their salary at a reduced premium.

Increased compensation from the City and from Blue Cross enabled us to increase the salaries of our employees, thus maintaining payroll levels on a basis comparable with other hospitals in the City.

Early in 1963, the New York State Legislature passed an amendment to the State Labor Law. The effect of that amendment was to add workers in voluntary hospitals to the list of those allowed to bargain collectively with their employers. This meant that unions could now attempt to organize workers in voluntary hospitals. For several months, as the Union tried to sign up workers, the Hospital did what it could under the law to acquaint employees with their benefits and our position concerning labor unions in hospitals.

The election held on December 3rd, resulted in a vote by the eligible employees rejecting the Union's offer to represent them by a two to one margin. During nine or ten months of the year, thousands of hours were devoted to meetings, conferences, etc., concerning the labor problem. While we are gratified with the eventual outcome, we feel it unfortunate that so much time had to be taken away from our primary, patient-centered concerns.

Among those things begun during the year were plans for a new building containing apartments and parking facilities opposite the Clark building on Amsterdam Avenue; further refinement of plans for the Service and Research Building which will replace the Vanderbilt Building; the opening of negotiations on a medical affiliation with Morningside House (a proposed facility for the elderly on a site opposite the Cathedral of St. John the Divine). On the urging of Commissioner Trussell of the City Department of Hospitals, studies were begun on the feasibility of establishing an ambulance service.

Added to the foregoing and the normal day to day operation of



the Hospital we underwent inspection of our Dietary Internship Program by the American Dietetic Association and by the Commissioner on Medical Education of the American Medical Association for all our programs of residency training. Predictably, all programs were approved.

There was also inaugurated what will undoubtedly become an annual event: "St. Luke's Hospital Day." To be held each year during National Hospital Week, this program was attended on May 15th, 1963, by over eighty people comprised of members of the Board of Trustees, St. Luke's Auxiliary, the Assistant Board of Woman's Hospital, plus foundation executives, corporate representatives, and others interested in the Hospital. During the day, lectures and demonstrations were presented by members of the Medical Staff to bring the lay friends and Family of St. Luke's a closer idea of our accomplishments and activities in several fields.

The accomplishments of 1963 were many. Administrative changes, effected late in 1963, solidified in 1963. Changes were made in the official Family with the election of a new President and the creation of new Officers. Our labor problems signal a new phase in employee relations. And the Hospital continued to show progress: physical progress as represented by the construction of the new Woman's Hospital Building and the opening of the Intensive Care Unit; progress in terms of improvements in equipment and techniques of care; and scientific progress through the various research projects.

C.W.D.

## Administrative Staff—1964

### *Executive Director:*

Charles W. Davidson, B.A., C.P.A.

### **General Hospital**

#### *Associate Director:*

E. Grey Gooby, B.A., M.A.

#### *Assistant Directors:*

Arthur R. Slothower, B.S.

F. Dennis Harrington, B.S., M.S.

#### *Administrative Medical Officer:*

Russell Apsey, M.D.

#### *Comptroller:*

F. Clifford Cummings

#### *Executive Secretary:*

Mrs. Elizabeth Feeney

#### *Director of Admissions:*

Harriet N. Ensign, R.N.

#### *Administrative Director, Blood Bank:*

Albert De Natale, Ph.G., Ph.C.

#### *Director of Dietetics:*

E. Alliene Mosso, B.S., M.A.

#### *Executive Housekeeper:*

Edward L. Dotter<sup>1</sup>

Robert Brooks<sup>2</sup>

#### *Director of Laboratories:*

Charles F. Begg, M.D.

#### *Supervisor of Laundry:*

Frederick Way

#### *Medical Librarian:*

Mrs. Olga Wiazemsky<sup>3</sup>

Rachael McLaughlin, B.A.<sup>4</sup>

#### *Medical Record Librarian:*

A. Rose Taddonio, R.R.L.

#### *Methods Coordinator:*

Erwin O. Blair

#### *Director of Nursing Service:*

Mrs. Josephine Whitemore, R.N., B.S., M.A.<sup>5</sup>

Mrs. Helen Umamo, R.N., B.S., M.A.<sup>6</sup>

#### *Director of Out-Patient Department:* Dorothy Wild, R.N.

#### *Personnel Director:*

Robert J. Beaubien, B.S.

#### *Chief Pharmacist:*

Hugo V. de Caprariis, B.S., in Pharm.

#### *Chief Medical Photographer:*

George Tanis

#### *Superintendent,*

#### *Plant and Maintenance:*

Salvador A. Caruana

#### *Director of Public Relations and Development:*

Donald I. Selby, B.A.

#### *Director of Purchasing:*

Lewis R. Keheley

#### *Director of Radiology:*

Nathaniel Finby, M.D.

#### *Director of School of Nursing:*

Evelyn M. Peck, R.N., B.S., M.A.

#### *Director of Security:*

Inspector John J. O'Neill

#### *Director of Social Service:*

Margaret Rouillion, R.N., B.S., M.S.

#### *Supervisor of Sterile Supply:*

Helen Zelezniak, R.N.

#### *Chief Telephone Operator:*

Mrs. Grace Foley Carr<sup>7</sup>

Mrs. Katherine E. Beers<sup>8</sup>

#### *Director of Volunteer Service:*

Dorothy R. Rader, B.S.

## **Department of Religious Services**

#### *Director and Chaplain:*

The Rev. Cornelius P. Trowbridge, A.B., D.

#### *Associate Chaplain:*

The Rev. George C. Wyatt, Jr., B.S., S.T.B.

#### *Associate Chaplain:*

The Rev. James C. Walworth, B.A.

#### *Associate Chaplain:*

The Rev. Richard M. Louis, A.B., B.D.

1. Resigned June 15, 1964

2. As of June 29, 1964

3. Died February 5, 1964

4. As of June 16, 1964

5. Resigned January 22, 1964

6. As of January 22, 1964

7. Resigned May 11, 1964

8. As of May 27, 1964

9. Died November, 1963

10. As of March 23, 1964



**Woman's Hospital***Director:*

Carl P. Wright, Jr., A.B.

*Assistant Director:*

Mary R. Meehan, R.N., B.S., M.A.

*Chief Accountant:*

William E. Finger

*Admitting Officer:*

Frances L. Bergner, R.N.

*Chief Anesthetist:*

Martha Henneberger, R.N.

*Dietitian:*

Julia Trossbach, B.S., M.S.

*Chief Engineer:*

William C. Singleton, Jr.

*Executive Housekeeper*

and Laundry Manager:

Mrs. Amelia Sands

*Information Supervisor:*

Catherine F. Connolly

*Director of Laboratories:*

Leon Motyloff, M.D.

*Director of Nursing:*

Gwendoline Collier, R.N., M.A.

*Pharmacist:*

Rosalyn Daniels, B.S. in Pharm.

*Public Relations Director:*

Helen E. Hanson

*Director of Radiology:*

Nathaniel Finby, M.D.

*Record Librarian:*

Evelyn V. Ryerson, C.R.L.

*Social Service Director:*

Louise Curtiss, A.C.S.W.<sup>9</sup>

Felicia Delafield, B.A., M.S.<sup>10</sup>

*Chief Telephone Operator:*

Vera Wine

**St. Luke's Convalescent Hospital***Medical Director:*

Stanley S. Bergen, Jr., M.D.

*Administrator:*

Benita Cirulis, B.S., M.A., M.S.

*Administrative Assistant:*

Phoebe Lowden

*Cashier and Chief Bookkeeper:*

Mrs. Dorothy M. Roos

*Chaplain:*

The Rev. William E. Sprenger, B.D.

*Dietitian:*

Nancy B. Finney

*Engineer:*

Alfred Russo

*Supervisor of Grounds:*

Arthur Falloon

*Housekeeper:*

Mrs. Augusta P. Phelps

*Laboratory Technician:*

Juliana B. Keenan, B.A.

*Supervisor of Nursing:*

Mrs. Hildegard Van Eyndhoven, B.S.

*Occupational Therapist:*

Mrs. Lucille V. LaCava, B.S.

*Physical Therapist:*

James W. LaVersa, RPT, B.S.

*Recreational Director:*

Joseph Catalinotto, B.A.

*Medical Social Workers:*

Mrs. Mary C. O'Connell, B.A., M.A.

Mrs. Annette D. Packer, M.S.S.

*Director of Volunteers:*

Mrs. Diane A. Saunders, B.A.

# Hospital Volunteers

Abram, Miss Ann  
 Abramson, Miss Barbara  
 Ada, Mrs. Alexander E. W.  
 Adair, Mrs. Michael  
 Adams, Miss Janice  
 Adams, Mrs. Nathan  
 Adler, Miss Carol  
 Adler, Mrs. Morris  
 Aguirre, Miss Rachel  
 Aibinder, Mr. Arthur  
 Albaugh, Miss Margaret  
 Alden, Mrs. Robert  
 Allan, Mrs. Russell  
 Allen, Miss Linda  
 Alprin, Miss Roberta  
 Anderson, Mrs. Georgiana  
 Anderson, Mr. Leon  
 Anderson, Miss Mary  
 Angell, Mrs. Nicholas  
 Antell, Miss Nancy  
 Anulis, Miss Ursula  
 Apsey, Mrs. Russell  
 Araujo, Miss Leonor  
 Arnold, Mrs. Adelaide  
 Atkinson, Mrs. John  
 Auch, Mrs. Walter  
 Auguste, Miss Gladys  
 Austin, Miss Judith  
 Ayers, Mrs. Allan F., Jr.  
 Ayers, Mr. Charles  
 Ayers, Miss Jane  
 Badenhausen, Mrs. Bayard  
 Baez, Miss Ruth  
 Bailey, Miss Harriet F.  
 Bailey, Miss Janice  
 Bain, Mrs. Alan  
 Baiter, Miss Barbara  
 Baker, Miss Kathy  
 Baker, Miss Susan  
 Baldi, Mrs. Virgil  
 Ball, Mrs. Moira  
 Bancker, Mrs. John  
 Banta, Mrs. Theodore  
 Barjou, Mrs. Henry  
 Barker, Mr. Ernest  
 Barkley, Miss Mary-Anne  
 Barnard, Mrs. Edward  
 Barnett, Miss Edith  
 Barron, Miss Grace  
 Barth, Mrs. Millicent  
 Basset, Miss Elsie  
 Bassoff, Miss Paula

Bateman, Mrs. C. Arthur  
 Bateman, Miss Jo-Anne  
 Battle, Mrs. Lawrence  
 Bauer, Miss Louise  
 Baughman, Mrs. Roland  
 Baylis, Mrs. George  
 Becker, Miss Barbara  
 Beecher, Miss Sandra  
 Bellows, Mrs. James  
 Belok, Mr. Gregory  
 Bennett, Mr. Charles  
 Benzakein, Miss Doris  
 Berke, Mr. David K.  
 Berryman, Mrs. Paul  
 Bertisch, Mrs. Leo  
 Biase, Miss Kathy  
 Biedermann, Miss Cathryn  
 Biglow, Miss Anne  
 Bilenker, Mr. Robert  
 Billings, Miss Dabbie  
 Bischof, Miss Bertha  
 Bishop, Mrs. Elizabeth  
 Bitner, Miss Martha  
 Black, Miss Virginia B.  
 Blair, Mrs. Charles  
 Botto, Mrs. Larry F.  
 Boubnoff, Mr. Nicholas  
 Bowers, Miss Lucille Ann  
 Boyd, Miss Isabelle  
 Boyd, Mrs. J. Scudder  
 Boyes, Miss Barbara  
 Bradford, Miss Betsy  
 Braver, Mr. John  
 Braverman, Miss Lynne  
 Brenner, Mr. Philip  
 Brenner, Mr. William  
 Brensilver, Mr. Howard  
 Breuer, Miss Daisy  
 Breukel, Mrs. Margaret  
 Brewster, Mrs. Harold  
 Briggs, Miss Susan  
 Brockbank, Miss Priscilla  
 Brown, Mr. Elihu T.  
 Brown, Miss Peggy  
 Brown, Mrs. Thomas  
 Browne, Miss Mary Ellin  
 Browning, Miss Adele  
 Bryon, Mrs. B. H., Jr.  
 Budin, Mr. Joel  
 Budries, Miss Karen  
 Buell, Miss Kathryn  
 Burch, Miss Connie

Burford, Mrs. George E.  
 Burgess, Miss Rebecca  
 Burgess, Mrs. Robert  
 Burke, Miss Cora  
 Burkert, Mrs. Louis B.  
 Burns, Miss Ann  
 Butler, Miss Helen  
 Buxton, Miss Leslie  
 Calabro, Miss Vivian  
 Calautti, Miss Sally  
 Caldwell, Mrs. Ada  
 Cameron, Mrs. Laird  
 Caminiti, Miss Carol  
 Canda, Miss Catherine B.  
 Carey, Mrs. William C.  
 Carlsson, Miss Linda  
 Carlton, Mr. Bruce  
 Carman, Mrs. Ursella  
 Carnaghan, Miss Patricia  
 Carpentier, Mrs. Pierre M.  
 Carroll, Miss Jane  
 Carroll, Miss Marguerite  
 Cartagena, Miss Wilma  
 Carter, Miss Judy  
 Case, Miss Rosalie  
 Casey, Mrs. James  
 Cassidy, Miss Kathleen  
 Castellano, Miss Linda  
 Cavanaugh, Miss Monica  
 Chamberlain, Mrs. Albert  
 Chamberlain, Mrs. Lawrence  
 Chang Leung, Miss Helena  
 Chayes, Miss Amie  
 Childs, Mrs. John  
 Christ, Miss Margaret  
 Chu, Miss Amy  
 Ciniglia, Miss Flora  
 Clark, Miss Donna  
 Clark, Miss Edythe S.  
 Clark, Miss Janet  
 Clark, Mrs. John E.  
 Cleaves, Mrs. Eugene  
 Clowney, Mrs. Frank  
 Cluett, Miss Amanda  
 Coleman, Mrs. Simmons  
 Colon, Miss Mercedes  
 Coniglio, Mrs. Lena  
 Connelly, Miss Marie-Jean  
 Connor, Mrs. Elise  
 Constantine, Miss Lorraine  
 Converse, Mrs. Peter  
 Cooke, Miss Virginia

Cooley, Mrs. Donald  
 Copeland, Mrs. Harvey  
 Coppola, Miss Carol  
 Corbett, Miss Helen  
 Coren, Miss Cynthia  
 Correa, Miss Mary Elizabeth  
 Cosenza, Miss Alba  
 Cote, Mrs. Earle  
 Cox, Miss Elise  
 Cragin, Miss Miriam  
 Cramer, Miss Constance  
 Crampton, Miss Ann  
 Crane, Miss Marguerite  
 Crawford, Mrs. Donald W.  
 Crawford, Miss Susan  
 Cristiano, Miss Justina  
 Crivy, Mr. Joseph  
 Cruz, Miss Esther  
 Currier, Miss Susan  
 Curriuan, Miss Lynne  
 Curtis, Miss Lynn  
 Curtis, Mrs. Robert M  
 Curtis, Mrs. Roswell  
 Cutler, Miss Constance  
 Dahlquist, Mrs. Reta  
 Daitch, Miss Janet  
 Danek, Mr. Charles  
 Darmochwal, Miss Ellen  
 Davaney, Miss Debbie  
 Davenport, Miss Amy  
 Davidson, Mrs. Cyril  
 Davidson, Miss Deborah  
 Davidson, Mrs. William  
 Daniels, Miss Deborah  
 De Castro, Mr. Dalton  
 de Chohnoky, Mrs. Tibor  
 Deledera, Mr. John  
 de Lucia, Mr. Raymond  
 Del Vaille, Miss Linda  
 De Nunzio, Mrs. Ralph  
 De Pinies, Mr. Felix  
 de Stelfano, Miss Elaine  
 Devens, Miss Sally  
 Dickson, Miss Frances  
 Digaetano, Mr. Frank  
 Di Pietro, Miss Gloria  
 Dixon, Miss Pamela  
 Dodd, Dr. and Mrs. David L.  
 Doeberl, Miss Sharon  
 Dolman, Mrs. David  
 Donovan, Miss Sharon  
 Dow, Mrs. James

Doyle, Miss Michele  
 Dubilier, Mrs. Harold  
 Dugan, Mr. James  
 Duncan, Mrs. Farr  
 Dunlop, Miss Lucette  
 Durbin, Mrs. Howard B.  
 Durbin, Miss Nathalie  
 Early, Miss Alice  
 Easley, Miss Dorothy  
 Eastman, Miss Donna  
 Edmunds, Mrs. Robert  
 Eggert, Mrs. Fletcher  
 Ehrlich, Mr. Paul  
 Elegreet, Mrs. Harry  
 Elias, Miss Norma  
 Engelberg, Mr. Gary  
 Engelstein, Dr. Fanny  
 Erwin, Mrs. George  
 Estes, Mrs. Young  
 Evans, Mrs. Carla  
 Farley, Miss Mary Allison  
 Feigenblatt, Miss Lillian  
 Fendler, Miss Kathie  
 Fennell, Mr. Philip  
 Ferguson, Miss Kathie  
 Ferrer, Miss Linda  
 Ferris, Mrs. George  
 Fidler, Miss Shelley  
 Fields, Mrs. Betty  
 Fields, Miss Lynn  
 Fierman, Mr. Henry  
 Fils, Miss Catherine  
 Findlan, Miss Noreen  
 Fine, Mrs. Felix  
 Finn, Miss Mary Ann  
 Finnegan, Miss Barbara  
 Finnerty, Mr. Frank  
 Finnerty, Mrs. Frank  
 Fisher, Mrs. Bertram  
 Fitzgerald, Miss Sarah  
 Flemming, Miss Christine  
 Flintoft, Miss Mary Clare  
 Flowers, Miss Peggy  
 Foley, Mrs. William T.  
 Forest, Miss Penny  
 Forni, Miss Patricia  
 Foulk, Mrs. William H.  
 Fowlkes, Mrs. George  
 Fox, Miss Patricia  
 Fraenkel, Mrs. George  
 Freedman, Mr. Bob  
 Freiman, Miss Leslie

Frendell, Miss Florence  
 Freund, Miss Ruth  
 Fitch, Mrs. Allen  
 Fitzpatrick, Miss Patricia  
 Gaccione, Mrs. Anthony  
 Gagnon, Miss Joanne Jean  
 Gallerio, Miss Donna  
 Ganz, Mrs. Ruth  
 Garcia, Miss Yolanda  
 Gates, Mrs. Gerald  
 Gauthey, Miss Fanchette  
 Gayley, Mrs. Oliver  
 Geibel, Mrs. Edward  
 Gerdine, Miss Naomi  
 Gerli, Miss Jennifer  
 Gerquest, Mrs. Arthur  
 Gertz, Miss Laurie  
 Geyer, Mrs. John R.  
 Gibney, Miss Nancy  
 Gilbert, Mrs. C. H.  
 Gilbert, Mrs. C. Louis  
 Giles, Miss Angela  
 Gill, Miss Sarah  
 Gillespie, Miss Cynthia  
 Gillespie, Miss Susan  
 Gilpatric, Mrs. Margaret  
 Ginzberg, Mrs. Eli  
 Giorgi, Miss Joan  
 Glennon, Mrs. Harrison, Jr.  
 Godsey, Mrs. W. C., Jr.  
 Goecoechea, Miss Irene  
 Goggins, Mrs. George  
 Goldschmidt, Miss Vivian  
 Goldsmith, Miss Ethel  
 Gonzales, Miss Naomi  
 Gonzales, Mr. Peter  
 Gonzalez, Miss Elizabeth  
 Gooch, Mrs. John  
 Goodbody, Mr. Thomas  
 Goodwin, Mrs. John  
 Gordon, Miss Barbara  
 Gorham, Mrs. Zeena  
 Gorman, Mrs. Richard, Jr.  
 Gosden, Miss Rose  
 Grady, Miss Sandra  
 Granowitz, Miss Ida  
 Grant, Miss Leigh  
 Grant, Mrs. Wheadon  
 Gray, Mrs. Harold  
 Greenberg, Mrs. Edna  
 Greene, Mrs. Irene  
 Greenway, Mrs. James C., 3rd

## Hospital Volunteers

(continued)

Gregory, Miss Peggy  
Grossman, Miss Barbara  
Gruber, Mrs. Charles  
Gruen, Mrs. Richard F.  
Grzeskowski, Miss Irene  
Guedenet, Mr. Robert  
Guerra, Mr. Frank  
Guilbert, Mrs. Charles M.  
Gurley, Miss Virginia  
Gutierrez, Miss Milagros  
Gutmann, Dr. James  
Haanstra, Mrs. John  
Haber, Mr. Richard  
Hachenburg, Miss Ruth  
Hague, Mr. Tom  
Hall, Miss Jane  
Hall, Miss Josephine  
Hall, Mrs. Floyd  
Hall, Miss Shirley  
Halsted, Miss Ellen  
Hamill, Mrs. Eleanor  
Hamlin, Mrs. Marie  
Hamm, Mrs. Emilie  
Harder, Mrs. Henry  
Harding, Mrs. Mabel  
Harper, Mr. Raymond  
Harrell, Mrs. J. Kirby  
Harris, Miss Betty  
Harris, Miss Marie  
Harris, Mrs. R. Woodman  
Hart, Miss Audrey  
Hartford, Mrs. Leon  
Hartman, Mrs. Gerald S.  
Hartman, Miss Katy  
Hartman, Miss Susan  
Harvey, Miss Joan  
Harvin, Miss Henrietta  
Hatfield, Miss Suzanne  
Hatton, Miss Helen  
Haycox, Mrs. Olive  
Hayes, Mrs. James  
Hays, Miss Priscilla  
Hazard, Mrs. Edgerton  
Healy, Miss Carmen  
Hearns, Mrs. Anna May  
Heiler, Mr. Stephen  
Heineman, Miss Martha Jane  
Hempel, Miss Marilyn  
Hencken, Miss Leslie  
Henderson, Mr. Bruce  
Henneberger, Miss Martha  
Henning, Mrs. Robert E.

Herold, Mrs. Albert  
Heron, Miss Ann  
Hershfield, Miss Julie  
Herzberg, Miss Claire  
Hetzler, Miss Susan  
Hewitt, Miss Carolyn  
Hickey, Miss Cynthia  
Hicks, Miss Bunny  
Hicks, Mrs. Edward  
Hicks, Mrs. Mary B.  
Hinrichs, Mrs. Stuart  
Hitchcock, Miss Catherine  
Hoeft, Mrs. William  
Holbeck, Mr. Robert  
Holcomb, Miss Helen  
Holland, Mrs. Albert  
Holland, Mrs. Bryce L.  
Hollander, Mrs. Aron  
Hollister, Miss Hope  
Holman, Miss Mary  
Holmes, Mrs. Winifred  
Horn, Miss Judy  
Horn, Miss Thelma  
Horne, Miss Monica  
Hotchkiss, Mrs. Joseph  
Houlihan, Miss Kathrene  
Howley, Miss Anne  
Hoyt, Miss Gertrude R.  
Hoyt, Mrs. Newton, Jr.  
Hoyt, Mr. Robert  
Hughes, Miss Carol  
Hurley, Mrs. Horace W.  
Hussey, Mrs. Frank R.  
Hutchinson, Mrs. John  
Hyde, Miss Holly  
Hyland, Miss Julia  
Hynes, Mrs. Harold  
Hynes, Miss Nancy  
Impelliteri, Mrs. Vincent  
Ingalls, Mrs. Melville  
Ingram, Mr. Douglas  
Inman, Mr. John  
Inman, Mrs. James  
Isaacson, Mrs. Jeanette  
Jablonka, Miss Elizabeth  
Jack, Miss Barbara  
Jackson, Mr. Bruce  
Jackson, Mrs. Katherine  
Jacobs, Mrs. Richard Allen  
Jaffe, Miss Margaret  
James, Miss Margaret  
Jay, Mr. Harvey

Jennings, Miss Joan  
Jensen, Mrs. Kurt  
Jeppesen, Mrs. C. F.  
Johansen, Miss Lynne  
Johnson, Miss Gloria  
Johnson, Miss Nancy  
Johnston, Miss Sue  
Jones, Miss Anita Rae  
Jones, Mrs. Beatrice  
Jordan, Miss Katherine  
Jordan, Mrs. Robert D.  
Jordon, Mrs. Howard  
Jorge, Mrs. Lester J.  
Jouppi, Miss Mary  
Kadish, Miss Barbara  
Kahl, Mrs. Martin  
Kamenshine, Mrs. Robert  
Kane, Mrs. Jay B.  
Karger, Miss Ann  
Kawin, Mr. Bruce  
Keane, Mrs. Christopher  
Keesing, Miss Bette  
Keheley, Mrs. Lewis  
Keleher, Mrs. Walter  
Kelley, Miss Christina  
Kelley, Mrs. Wilbur R.  
Kelly, Miss Ann  
Kelly, Mrs. William  
Kerley, Mrs. James  
Kerley, Miss Janet  
Kerman, Mr. Jules  
Keyser, Mrs. Cassius  
Kilcoyne, Miss Anne  
King, Mrs. William A.  
Kinsey, Miss Melissa  
Kisluk, Mrs. Walter  
Kleinman, Mr. Jack  
Kleisner, Miss Patricia  
Knapp, Miss Adeline  
Knauert, Mr. Arthur  
Knox, Miss Vaughan  
Kock, Mrs. Logan  
Kopelman, Mr. Robert  
Kovich, Miss Irene  
Kowczuga, Miss Blanche  
Kowit, Mr. Joel  
Kramer, Miss Susan  
Kreider, Miss Nancy  
Kushi, Miss Aileen  
Kuttler, Miss Marie  
La Morte, Mrs. Richard  
Lancaster, Mrs. William

- Lane, Miss Laura M.  
 Lane, Miss Winky  
 Lang, Mr. Fred  
 Lankester, Mrs. W.  
 Lantz, Mrs. Walter  
 Largay, Miss Dorothy  
 Larsen, Mrs. H. Allen  
 Laughlin, Miss Patricia  
 Lawrence, Mrs. Charity  
 Lawrence, Mrs. Ralph  
 Layman, Miss Lynne  
 Lees, Miss Carol  
 Lees, Miss Suzanne  
 Legge, Mrs. Allen  
 Legnini, Mrs. Nicholas  
 Leighton, Mrs. John  
 Lentnek, Mr. Arnold  
 Lerner, Mr. David  
 Levine, Mr. Frederick  
 Lewis, Miss Gloria  
 Lewis, Mr. Louis  
 Lewis, Miss Susan  
 Lewis, Mr. Sylvan  
 Lichtman, Miss Joan  
 Liebespach, Mrs. John  
 Liebowitz, Miss Susan  
 Lifschutz, Miss Ruth  
 Ligo, Miss Ida Louise  
 Lindberg, Miss Eleanor  
 Linehan, Miss Aline  
 Lins, Miss Louise  
 Linskey, Miss Sue  
 Lipscomb, Miss Caroline  
 Lipscomb, Miss Vickie  
 Lipson, Miss Joan  
 Liskow, Mr. Barry  
 Little, Miss Sandra  
 Lobau, Miss Johanna  
 Lockwood, Miss Sally  
 Lorah, Miss Nelle  
 Loring, Miss Jessica  
 Losito, Miss Rosemary  
 Lott, Miss Virginia  
 Lowe, Miss Barbara  
 Lozner, Mr. Jerrold  
 Ludwig, Mrs. Carl  
 Lyons, Mrs. Marion  
 Lyons, Miss Mary  
 MacAndrew, Miss Ann  
 MacHale, Miss Kathy  
 Macht, Miss Harriet  
 MacKay, Mr. James  
 MacLennan, Mrs. H. A.  
 MacQuire, Mrs. Ronald  
 Maddy, Miss Joan Patricia  
 Maeder, Miss Mary  
 Maloney, Miss Bonnie  
 Maloney, Mrs. Milton C.  
 Mamger, Miss Lillian  
 Maneely, Miss Winifred  
 Maniscalco, Miss Nancy  
 Mardus, Miss Gail  
 Marks, Mrs. Sidney  
 Martin, Mr. Louis  
 Mathews, Mrs. Barbara  
 Matossian, Miss Armen  
 Mattwi, Mr. Frank  
 Matthews, Miss Grace  
 Maxted, Miss Emily  
 Maxwell, Miss Cynthia  
 Mayer, Miss Elaine  
 McAndrew, Miss Mary  
 McAnerney, Mrs. J. Gardiner  
 McAulay, Miss Elizabeth  
 McBryde, Miss Elsie  
 McCafferty, Miss Gail  
 McCallen, Miss Elsie  
 McCallum, Miss Adison  
 McCarthy, Mr. Francis  
 McCormick, Miss Nancy  
 McCully, Mrs. Arthur  
 McDonald, Miss Ann  
 McDowell, Miss Lillian  
 McGee, Miss Mary  
 McGuinness, Miss Patricia  
 McGuire, Mrs. Harold F.  
 McKendall, Mr. Robert  
 McKnight, Mrs. William  
 McManus, Miss Betty  
 McNamara, Mrs. James  
 McNamara, Mrs. John  
 McShane, Miss Sue  
 McWade, Miss Liz  
 Medl, Mrs. William T.  
 Medvedeff, Mrs. Natalie  
 Meinstrell, Miss Patricia  
 Melkonian, Miss Madeleine  
 Mellick, Mrs. Waring  
 Mellick, Mr. Waring  
 Merewether, Miss Kay  
 Merrow, Mrs. Helen  
 Mertens, Mrs. Edward J.  
 Meyer, Miss Jan  
 Michaels, Mrs. David  
 Miller, Miss Gail  
 Miller, Mrs. Gertrude D.  
 Miller, Mr. Glenn  
 Miller, Miss Judy  
 Miller, Mrs. John  
 Miller, Miss Marion  
 Millspaugh, Mr. Russell  
 Minton, Mrs. David M., 3rd  
 Mintzer, Mrs. Lee  
 Moczo, Mrs. Luis  
 Moffett, Mrs. Yolanda  
 Mong, Miss Jean  
 Montano, Miss Guadelupe  
 Moore, Miss Jewel  
 Moore, Miss Ursula  
 Morgan, Mrs. Robert G.  
 Morris, Mrs. Frederick  
 Mortimer, Miss Vivienne  
 Moschel, Mrs. Arthur  
 Moslander, Miss Charlotte  
 Moslander, Mrs. Kenneth D.  
 Moslander, Miss Nancy Lee  
 Mottolose, Mrs. A. William  
 Mueller, Mrs. Arthur  
 Munoz, Mr. Joseph  
 Murphy, Mrs. Thomas P.  
 Murray, Mrs. Emmet V.  
 Murray, Miss Patricia  
 Muss, Miss Elizabeth  
 Muss, Mrs. Rebecca  
 Myers, Miss Barbara  
 Nevell, Miss Nancy  
 Newfeld, Mr. Arnold  
 Newman, Miss Nancy  
 Newton, Miss Ann  
 Nichols, Miss Christine  
 Nierenberg, Miss Linda  
 Nichols, Mrs. Franklin, Jr.  
 Nichols, Miss Christine  
 Nickerson, Mrs. Robert  
 Nobis, Miss Mildred  
 Nolan, Mrs. Gertrude E.  
 Norfleet, Mr. Norris  
 Norrgard, Mrs. John  
 Norton, Mrs. William S., II  
 Nunes, Mrs. Edward  
 Nussenfeld, Mr. Justin  
 Nye, Mrs. Richard B.  
 Oakman, Mrs. Carl S.  
 O'Brien, Mrs. John  
 O'Connor, Mrs. Jack  
 Ogren, Mrs. Donald

## Hospital Volunteers

(continued)

O'Hara, Mrs. Clifford B.	Richardson, Mrs. William	Schoeler, Mrs. Walter
O'Leary, Mrs. David	Ridenour, Mrs. Cyrus E.	Scholtz, Mrs. Rheinhart
Orlin, Miss Barbara	Rider, Mrs. Paul	Schovel, Miss Loretta
Ossewaarde, Miss Anne	Riegger, Miss Ruth	Schuster, Mrs. Richard
Osterlich, Mrs. Michael	Rimovics, Miss Rita	Schuz, Mr. Ludvig
Ottley, Mrs. Philip G.	Rios, Miss Idalia	Schwartz, Mr. Benjamin
Page, Miss Joann	Roberts, Miss Betty	Schwartz, Mrs. Hilda
Pappalardo, Miss Mary	Robinson, Miss Mildred	Schwartz, Mr. James
Paradise, Mrs. Robert C.	Robinson, Miss Sue	Schwartzreich, Miss Mary
Parry, Miss Margaret	Rodriguez, Mr. Pedro	Schweitzer, Mrs. Joseph
Passloff, Mrs. Goldye	Rogers, Mr. Malcolm	Scully, Miss Suzanne
Patterson, Mrs. Russell	Rogers, Mrs. Robert P.	Seel, Mrs. John A.
Pearsall, Mrs. Robert T.	Rollinson, Miss Ethel A.	Seitz, Mrs. Clayton L.
Pecora, Miss Christine	Romanoff, Mrs. Paul	Selchow, Mrs. Richard
Peevers, Miss Vivian	Roos, Mr. Raymond	Seldon, Mr. Dagvar
Perez, Miss Asuncion	Ros, Mrs. Salvador	Selly, Mrs. William
Perez-Chiesa, Miss Ivette	Rosan, Mrs. Richard	Semarak, Mrs. Gordon
Perrin, Miss Monica	Rose, Miss Joanne	Serlin, Miss Leslie
Pettus, Mrs. Charlton	Rosen, Mrs. Karl	Shand, Mrs. R. Gordon
Phelps, Mrs. Stamford	Rosenblum, Miss Marjorie	Shaw, Miss Katherine
Phillips, Miss Wendy	Rosenfeld, Mr. Robert	Shaw, Miss Natalie
Pick, Mrs. Olga V.	Rosenstiel, Mrs. Harold	Sheehan, Miss Anne
Pierce, Mrs. Arthur N.	Ross, Mr. Donald	Sheehan, Miss Kathleen
Pitney, Miss Joyce	Ross, Mrs. Frieda	Sheehan, Miss Mary
Pollack, Mr. Jay	Roussell, Miss Chris	Sheffield, Miss Charlotte
Porter, Miss Ann	Rounds, Mrs. Harold	Shen, Miss Esther
Porter, Miss Charlotte	Roussos, Mr. George J.	Shepard, Miss Sue
Posey, Mrs. Chester	Royal, Miss Yvonne	Shields, Miss Mary
Post, Miss Marion	Rushon, Miss Evelyn	Shobe, Miss Dianne
Potter, Miss Pamela	Ryan, Miss Margot	Shuhart, Miss Lynn
Powers, Miss Lynn	Ryan, Miss Sheila	Shuhy, Mr. Larry
Prince, Miss Joan	Ryan, Mrs. Stephen V.	Shuhy, Miss Natalie
Prokop, Mrs. John S.	Ryan, Mrs. William F.	Sidor, Miss Leona
Purcell, Mrs. Joseph	Salmen, Mrs. Stanley	Sienkiewicz, Miss Barbara
Pyle, Mrs. William F.	Saltus, Mrs. Ethel	Sieper, Miss Lewis
Queenan, Mrs. John T.	Salz, Miss Judy	Silver, Miss Kay
Quotidian, Miss Barbara	Sammon, Miss Virginia	Simpson, Mrs. Graham
Randall, Miss Nancy	Sanborn, Miss Mildred	Sinnott, Miss Ann
Randolph, Mrs. Peyton	Sanderson, Mrs. Lucy G.	Skydell, Miss Barbara
Rarback, Mr. Daniel	Sandler, Miss Phyllis	Slothower, Mrs. Arthur
Read, Miss Edith	Santiago, Miss Margarita	Smith, Miss Candy
Reape, Miss Linda	Santry, Mrs. Arthur	Smith, Miss Doris
Recker, Mrs. Bruce	Sargent, Mrs. Arthur	Smith, Miss Elizabeth
Reed, Mrs. Paul	Sassano, Miss Susan	Smith, Miss Joan
Reilly, Miss Mary Helen	Schaumber, Miss Monica	Sobell, Mrs. Etta H.
Reis, Mrs. Robert	Scheiblich, Mrs. Ida H.	Spalding, Miss Ann
Reis, Mrs. Henry W.	Schetlin, Mrs. Charles F.	Speare, Miss Helen L.
Rettig, Mr. Arthur	Schlabach, Mrs. William	Spence, Miss Betty
Reynolds, Miss Janice	Schmid, Miss Coral	Spiegel, Mr. Allen
Rheaume, Miss Ida	Schmidlin, Mr. Emil	Sposta, Miss Angela
Rich, Mrs. Eva	Schneider, Mr. Jeffrey	Stabler, Miss Theresa
Richards, Miss Nancy	Schoenherr, Mrs. Ann	Staley, Mrs. Preston



Stark, Mrs. Richard B.  
 Stauffacher, Miss Lillian  
 Steedman, Miss Emily  
 Steele, Mr. Roger  
 Steger, Mr. Alan  
 Stein, Mr. Richard  
 Stein, Mr. Stuart  
 Stenson, Mrs. James  
 Stephenson, Miss Linda  
 Stephenson, Mrs. J. Clayton  
 Sterling, Miss Antoinette  
 Stevens, Mrs. Edwin P.  
 Stevens, Mr. Richard  
 Stewart, Miss Chloe  
 Stitt, Miss Elsie  
 Stone, Miss Helen  
 Stothers, Mrs. Hilton H.  
 Stratton, Miss Elaine  
 Streeter, Mrs. John  
 Strunsky, Miss Claudia  
 Stuart, Mrs. Richard  
 Stubbs, Miss Nicola  
 Stukes, Miss Shirley  
 Suarez, Miss Ceci  
 Suratt, Mr. Paul  
 Svihra, Mrs. Charles  
 Swan, Mrs. William  
 Sweeny, Miss Carol  
 Sweet, Miss Pauline  
 Swope, Miss Martha  
 Sykes, Miss Mabel  
 Tansill, Mrs. Duncan  
 Tarkington, Mrs. Andrew W.  
 Taylor, Miss Kathy  
 Thomas, Mrs. Richard  
 Thompson, Mrs. Alan  
 Thweatt, Mr. Alexander  
 Tillinghast, Miss Carol  
 Tippens, Miss Becky  
 Tiso, Miss Janice  
 Tooker, Miss Charry  
 Toole, Miss Cassandra  
 Topson, Miss Madah E.  
 Toro, Miss Alaida  
 Torpey, Miss Kathleen  
 Toth, Miss Marlene  
 Townsend, Mr. Frank  
 Tremaine, Miss Helen  
 Trittipio, Miss Ann  
 Trowbridge, Mrs. Cornelius  
 Turabian, Mrs. John  
 Turnbull, Miss Marjorie  
 Turner, Miss Carmen  
 Turner, Miss Carol  
 Turner, Miss T.  
 Turzan, Miss Betty  
 Twyefort, Mr. Clarence M.  
 Uhlinger, Miss Margaret  
 Upjohn, Mrs. E. M.  
 Urban, Miss Mary Helen  
 Vallee, Mrs. William  
 Valicenti, Mrs. Mitchell, Jr.  
 Van Gerven, Miss Jan  
 Van Schoyck, Miss Judy  
 Vassos, Miss Marianthi  
 Villegas, Mrs. Sylvia  
 Virtue, Mrs. Robert  
 Vladeck, Mr. Bobb  
 Vollrath, Miss Valerie  
 Von Allmen, Miss Micheline  
 Vosburgh, Miss Liza  
 Waddell, Miss Meredith  
 Wagner, Miss Catherine  
 Wahl, Miss Martha  
 Walbridge, Miss Mary  
 Walker, Mrs. Richard H.  
 Walker, Mrs. Richard  
 Wallau, Miss Susan  
 Walsh, Miss Carol  
 Walsh, Miss Madeline  
 Walsh, Miss Sue  
 Warner, Miss Kim  
 Warren, Mrs. Henry P.  
 Washton, Miss Harriet  
 Waterman, Miss Marcia  
 Watkins, Miss Jeanette  
 Watson, Miss Sandra  
 Way, Mr. John  
 Wearn, Mrs. F. Stafford  
 Webb, Mr. Drew  
 Weiermiller, Mrs. Homer  
 Weisblat, Mrs. John C.  
 Welch, Mrs. Edmund  
 Weller, Miss Margaret  
 Wells, Mrs. John B.  
 Wenzel, Mrs. Sylvia  
 West, Miss Beth  
 West, Mrs. John P.  
 Wethered, Mrs. Anthony  
 Whitesides, Miss Betsy  
 Whitney, Miss Joan  
 Whitney, Mrs. William  
 Wilking, Mr. Spencer  
 Williams, Mrs. Joseph, Jr.  
 Williamson, Miss Elizabeth  
 Wilson, Mrs. Frederic  
 Winfield, Mrs. W. H.  
 Winitsky, Mr. Theodore  
 Witman, Miss Marlene  
 Wolfe, Mr. Fred  
 Wolfe, Miss Jean  
 Wood, Miss Lois  
 Wood, Mr. Peter  
 Woodberry, Mrs. Paul  
 Wooster, Mr. Robert  
 Worth, Mrs. Theron, Jr.  
 Worthington, Miss Mary  
 Wright, Mrs. John  
 Wu, Miss Vivienne  
 Wyman, Mrs. Sam  
 Wyman, Mr. Stephen  
 Xantho, Mrs. Peter  
 Yaconetti, Miss Virginia M.  
 Yeganian, Miss Helen  
 Yeiser, Miss Abbie  
 Yohan, Mrs. Frank  
 Young, Mrs. Walter  
 Youngstein, Mrs. Max  
 Youngstein, Miss Peggy  
 Yue, Mr. David  
 Yue, Miss Monique  
 Zalles, Miss Maria  
 Zapata, Miss Judy  
 Zeppenfeldt, Miss Helen  
 Zweiman, Mr. Franklin





# Anesthesia

Louis S. Blancato, M.D., Director

The Department of Anesthesia has continued to provide a record amount of service in many areas of the hospital, namely: the main operating suite at St. Luke's Hospital, the operating and delivery rooms at Woman's Hospital, the recovery rooms, the cystoscopic room on the urology floor, the cardio-respiratory laboratories, psychiatric shock therapy, diagnostic and therapeutic nerve block therapy, oxygen therapy, and this year with the opening of the new Intensive Care Unit, we are intimately involved in providing coverage for respiratory and cardio-respiratory problems. We have been asked to provide anesthesia also for the electric conversion treatment of arrhythmias.

## Staff

Upon the resignation of G. Edgar Burford, M.D. as Director, Louis S. Blancato, M.D. was appointed Director of the Department of Anesthesia. Dr. Burford was appointed as Consultant to the Department. Due to the expansion of our teaching program in the department, two new attendings were appointed to the department in July of 1963; they are Edward Los, M.D. and Arthur Poole, M.D. These new additions increased the attending staff to eleven members, the largest ever. At the present time we have six members on the resident staff.

In September 1963 Louis S. Blancato, M.D. was appointed Assistant Clinical Professor in Anesthesiology in the Department of Anesthesia of Columbia University which is under the direction of E. M. Papper, M.D.

This year also S. T. Lee, M.D. became a Diplomate of The American Board of Anesthesiology bringing the total number of Diplomates in the department to five.

### **Activities**

In December, 1963, Louis S. Blancato, M.D. was elected as Assistant Treasurer of the New York State Society of Anesthesiologists of the Annual Post Graduate Assembly of the New York State Society of Anesthesiologists.

This year we instituted the practice of sending senior residents and attendings to various medical centers for post-graduate training.

As part of the reorganization of the department a course in Basic Sciences was started for the resident staff. The lectures are prepared and given by the members of the attending staff. This was part of the new plan of increased training for the residents. A monthly Mortality-Morbidity Conference was started within the department.

And during the year various members of the attending staff have delivered talks to other departments in the hospital.

### **Statistics**

During the year the anesthesiology department has administered a total of 4,213 anesthetics to ward patients at both St. Luke's and Woman's Hospital.

Anesthetics administered to private and semi-private patients at both hospitals totaled 4500: a grand total of 8,713. We are using, and teaching our residents to use, all the modern technics and agents that are available in the Specialty of Anesthesiology.

# Dermatology

Leslie P. Barker, M. D., Director

**D**uring 1963 the number of out-patient visits to the Dermatology Clinic at St. Luke's Hospital numbered 6800—a moderate increase over the previous year. In the Clinic, as throughout the city, there was a marked increase in the number of early syphilis cases seen. According to the New York City Board of Health, the alarming rise in the incidence of syphilis necessitates wide hospital participation in a special drive for more stringent control and earlier treatment of the disease.

## Research Studies

Dr. Alex Young is continuing his study of the dermatological problems in the older patient. He is also carrying out a study of primary amyloidosis. Dr. Leslie P. Barker is expanding his study of gynecodermatological diseases.

## Staff Activities

Dr. Alex Young was elected Chairman of the Dermatology Section of the New York State Medical Society.

Dr. Leslie Barker was guest lecturer at the Rotunda Hospital in Dublin, Ireland where he addressed a joint meeting of Dublin Dermatologists, Gynecologists and Pathologists. He also visited the Dermatology Clinics in Rome, Italy. Dr. Barker gave the annual lecture to the residents at the College of Physicians and Surgeons, Columbia University, on the subject of cardio-vascular syphilis.

## Staff Conferences

Of great interest have been a series of lectures on Genodermatology given at our weekly staff conferences by Dr. David Bloom. Dr. Bloom

discussed the role played by the chromosomes and genes in determining hereditary traits in general and the influence of heredity on the development of many dermatoses.

#### **Staff Changes**

Dr. Herbert Smokler has been advanced to chief resident and Dr. Eugene Sweeny is now our assistant resident.

Dr. Roy Stephens completed his three year residency training at St. Luke's and is now stationed with the Air Force in the Philippines.

There have been no changes in the attending staff during 1963.



# Medicine

Theodore B. Van Itallie, M.D., Director

I n the last decade the continuing progress of medical science has resulted in many improvements in patient care. Yet, the torrent of information pertinent to internal medicine that increases year by year and the new technics and instruments constantly being developed for the study and care of patients represent serious problems of assimilation for departments of medicine in major teaching hospitals.

Every year a number of new scientific journals are admitted to the hospital library shelves and almost every day catalogs are received describing developments in areas ranging from electron microscopy to electrical treatment and monitoring of the heart. A hospital department of medicine must somehow deal with this influx, filter out what is valuable and apply it effectively in patient care and teaching. Indeed, all clinical departments within a hospital have a similar problem, but the burden for internal medicine is especially great since it covers such a wide and fundamental area of medicine.

To handle this "torrent," some division of labor is necessary. Hence, internal medicine has become subdivided into areas such as cardiology, hematology, and gastroenterology. These are only a few of the subspecialties in internal medicine that must be represented in any effective medical department. Thus, the Department has continued to attempt to reinforce itself in various important subspecialty areas. For example, during 1963, arrangements were completed to strengthen the areas of allergy, immunology and infectious diseases with the help of Dr. Michael Grieco who is returning to St. Luke's after two years of special training at the Institute of Allergy, Roosevelt Hospital and Bellevue. A new consultant was named in the field of virology (Professor James Baker, at Cornell University, Ithaca).

While the Medical Service continued to gain strength in certain subspecialties and to develop the research programs in these areas,



the basic responsibilities for ward teaching and the care of outpatients continued to be carried principally by internists in the private practice of medicine. As always, these physicians gave generously of their time and talents to the many programs of the Medical Service as well as to the activities of the Medical Board of the hospital.

The proper functioning of the Medical Service requires that each member of a large and complex team make his special contribution. The house staff must learn from physicians experienced and expert in total patient care as well as from those with a profound knowledge of a special area of medicine, based on experience in the laboratory as well as in the specialty clinic. Of greatest importance, the patient profits from the presence within the hospital of an atmosphere that can nourish *all* members of the team who contribute to medicine: the practicing physician, the investigator and the individual oriented toward broad concepts of preventive medicine and concerned with mechanisms whereby medical care can be delivered to patients effectively and efficiently. This is not to imply that all physicians cannot have a concern for all these dimensions of medicine and more. But medicine is such a vast arena that, in practice, most physicians have found that they can be most effective in certain selected salients.

#### **Staff Activities**

In 1963, the medical service was represented in the scientific literature by twenty-three publications. Dr. Theodore B. Van Itallie served on two subcommittees of the National Research Council (Role of Dietary Fat in Human Health and Recommended Dietary Allowances). He also served as a Director of the American Heart Association and the American Diabetes Association and continued as a member of the editorial board of the journal *Diabetes*. He was appointed consultant in medicine to the Englewood Hospital and to the Advisory Board to the American Dietetic Association.

Dr. Myron Wright was appointed Director of the Blood Bank succeeding Dr. Luis A. Amill, who was appointed Consultant to the Blood Bank. Dr. Miles J. Schwartz was elected to Fellowship in the American College of Physicians. Dr. James G. Hilton was elected to Fellowship in the American College of Clinical Pharmacology.

## Education

In 1963, the first formal Columbia University course in St. Luke's history was given at the Hospital under the combined sponsorship of the Institute of Nutrition Science and the Department of Medicine. The course, entitled Combined Clinics in Nutrition and Metabolism, introduced a new format into the teaching of nutrition to graduate students with the M.D. degree. An appropriate patient was presented at each session and the case discussed from the standpoints of clinical diagnosis and care, biochemistry, pathology and epidemiology. Topics included beriberi heart disease, megaloblastic anemia, atherosclerosis, obesity and starvation.

The Medical Service continued to participate actively in the teaching of medical students from the College of Physicians and Surgeons. As usual, an elective course in physical diagnosis was given in the spring for 32 second year students. The course was directed by Dr. A. L. Loomis Bell and was articulated with the parent course at the medical school. Fourth year students continued to serve on the medical wards on a monthly basis as student house officers. Their program was under the supervision of Dr. James G. Hilton and a large group of preceptors who provided formal instruction. In addition, the fourth year students participated actively in all ward activities and attended the regular conferences and seminars of the service.

Members of the medical service staff also participated in medical student teaching at the Columbia-Presbyterian Medical Center. Dr. Van Itallie conducted chief of service rounds at the Presbyterian Hospital (center service) during July and August. Dr. Bertles participated in third year hematology instruction and a number of staff members participated in the Group Clinic (for fourth year students) at the Vanderbilt Clinic.

Cardiology has always been a strong subspecialty within the Medical Service and for many years has offered an accredited residency. The clinical program in cardiology has been supplemented in the last decade by the establishment of four research laboratories concerned respectively with experimental cardiology, cardiopulmonary physiology, renal and electrolyte physiology, and lipid metabolism.

In recognition of the training value of these rich resources in the



broad area of cardiovascular disease, the National Heart Institute has awarded the Medical Service a five year grant to develop a training program in cardiovascular physiology and metabolism. The program provides for four trainees, each of whom will be assigned to one of the four laboratories for training in some aspect of clinical science related to heart disease. In addition, seminars, lectures, classes, demonstrations and rounds have been organized to provide the trainees with an integrated teaching program that draws upon the many resources of the Hospital, the University and the scientific community. It is anticipated that the presence of the training program within the medical service will have an enriching influence not only on the department but on the entire Hospital.

*Community Health Studies Unit* During the year, the Community Health Studies Unit expanded remarkably, both in size and in the scope of work undertaken.

The major interest of the Community Health Studies Unit has been the medical care given to the ambulatory patient in the Out-Patient clinics of the Department of Medicine and the Emergency Room. A three-year project involving the intensive follow-up of chronic congestive heart failure patients has been started under the joint auspices of the Community Health Studies Unit and the Radioisotope Laboratory. Also, a thorough investigation into the factors which motivate patients to choose the forms of medical care they do (Out-Patient Department, Emergency Room, or both) was initiated in an attempt to improve the distribution of medical services to the community.

In another area, the Community Health Studies Unit has worked very closely with a large group of residents in the Morningside Gardens community in an attempt to help develop a plan to provide for their own health needs after retirement. A survey of the community was carried out at the request of the residents and a plan of action for development of the needed services was recommended.

In teaching, the Community Health Studies Unit served as a training site for four medical students from various parts of the country, who were brought to St. Luke's by the New York City Health De-

partment's student fellowship program. These students spent three months at St. Luke's Hospital, carrying out a survey of physicians practicing in the Hospital district.

Major sources of financial support for the work of the Community Health Studies Unit this year included the Health Research Council of the City of New York and the United States Public Health Service.

COMMUNITY HEALTH STUDIES UNIT STAFF:

Paul R. Torrens, M.D., MPH	Full-time	Director
Coenraad R. Westermann, M.D.	Part-time	Research Associate

*Laboratory of Experimental Cardiology* During the past year, the Laboratory continued its investigations into the metabolic and physiologic disturbances accompanying an inadequate supply of blood to the heart. Dr. Case was assisted in this work by Dr. Robert B. Roven, National Heart Institute Research Fellow, and Dr. Richard S. Crampton, Research Associate. In addition to clarifying the relationship between metabolic abnormalities and cardiac contractility, the effect of various drugs during coronary insufficiency also was evaluated.

A study was made to evaluate the possibility of relieving left atrial hypertension in left ventricular failure by the use of interatrial shunts. This was found to be a very effective method of controlling left atrial pressure, with its effectiveness related to the size of the shunt.

Members of the Laboratory participated actively in the clinical care of heart disease, primarily in the Children's Cardiac Clinic, which is under Dr. Case's direction. Dr. Case is also Chief of the Cardiac Consultation Clinic for the Department of Health, Riverside Branch.

The major source of financial support for the Laboratory is from the National Heart Institute.

LABORATORY OF EXPERIMENTAL CARDIOLOGY STAFF:

Robert B. Case, M.D.	Full-time	Director
Richard S. Crampton, M.D.	Part-time	Research Associate
Robert B. Roven, M.D.	Full-time	Research Fellow

*Cardiopulmonary Laboratory* A comprehensive study of the wedged pulmonary artery segment has occupied the principal investigative efforts of the laboratory group during the last year. An intracardiac

catheter passed through the right heart chambers into the pulmonary artery, if pushed further, eventually "wedges" itself into a small pulmonary artery of its own size. The small portion of the lung subtended by this artery represents the wedge segment. Physiological studies of this segment can be performed with precise control and measurement of pressure and flow, and permit studies *in vivo* which would otherwise require drastic operative procedures.

Studies carried out on experimental animals concerning the physiological characteristics of this segment have been extended to man, and the behavior of the pulmonary vessels with changes in the perfusing blood are being investigated. With application of the technique of perfusion of the wedged catheter, the precise effect of certain vasoactive drugs on the pulmonary vascular resistance has been investigated.

The effectiveness of an orally administered respiratory stimulant was studied by the laboratory group and compared with its intravenous action.

In conjunction with the development of a new method for investigating diffusion characteristics of the lungs in patients, comparisons of carbon dioxide tension in arterial blood and the expired air have been carried out. A method for measuring diffusion capacity has been developed as a result of these investigations, which obviates the use of arterial blood in the analysis. Studies to determine a suitable method to measure the oxygen cost of breathing have been continued.

A study of lung function carried out on 200 young males is now being prepared for statistical analysis. This study may give some information on the effect of smoking on young boys' health, but also will give a very thorough definition of normal values of lung function in adolescent boys.

Under the direction of Dr. E. P. Childs, a team of cardiologists is reverting erratic heart rhythms to normal by a precisely controlled electric shock. The Cardiopulmonary Laboratory group is studying the effect of rhythm conversion on the performance of the heart. These highly interesting studies should help define the effects of rhythm on the cardiac output and intracardiac pressures.

The research program of the Cardiopulmonary Laboratory is sup-

ported by the New York Heart Association, The National Institutes of Health, The Vincent Youmans Memorial Fund, The Catherine Van Rensselaer Fund, The Heart-Lung Foundation, The Stony Wold Foundation, and private patient donations.

During 1963, the clinical component of the laboratory performed 113 diagnostic cardiac catheterizations. This number includes adult and pediatric right and left heart catheterizations, both transeptal and retroaortic. In many studies, selective angiocardiology is performed in conjunction with the X-ray Department. These specialized diagnostic procedures are performed to determine the cause of a heart murmur or heart failure. Many of these patients were found to be candidates for heart surgery.

The laboratory personnel also participate in the Heart Surgery program. Pressures are monitored and cardiac outputs recorded in the operating room before and after mitral commissurotomy and mitral valve replacement. During open-heart surgery, one of the cardiopulmonary physicians supervises the operation of the heart-lung machine, and monitors the electrocardiogram and intracardiac pressures.

Pulmonary function studies were performed on 350 patients in 1963, and 9,511 patient treatments were administered to patients with pulmonary diseases in the Breathing Clinic by Miss Edna MacDonald, the nurse-therapist of the clinical Cardiopulmonary Laboratory.

The out-patient Emphysema Clinic, one of three such clinics in New York City continues under the direction of Dr. Bell with the assistance of Doctors Krstulovic, Felton, Andreae and McHugh. Spirographic diagnosis and instruction in aerosol therapy are the responsibility of Mr. Morrissey, pulmonary technician, while Mrs. Lambert of the Department of Physical Medicine teaches breathing exercises and patterns helpful to patients with emphysema. Doctors Shimomura and Hellman represent the laboratory in the Cardiac Clinic.

Conferences within the hospital for which the Cardiopulmonary Laboratory staff is directly responsible are the Pulmonary Disease Section Conference and the Cardiac Case Selection Conference. At the former meetings, outstanding outside speakers and St. Luke's Hospital staff members discuss important topics in diseases of the chest. The Case Selection Conference attended by adult and pediatric

cardiologists, cardiac surgeons and radiologists, meets once a month to discuss and select patients for heart surgery. Intra-laboratory conferences, part of the National Heart Institute training program, are held weekly. Topics in pulmonary and cardiovascular physiology are presented and discussed by members of the cardiopulmonary staff. Research work in progress in the laboratory is scheduled for critical discussion at these sessions.

At the weekly X-Ray Review Conference held in conjunction with the department of Radiology, the week's diagnostic cardiac catheterization and selective angiocardiograms are discussed.

During the summer of 1963, the laboratory participated in the New York Heart Association High School Student Training Program which provided six weeks experience in the laboratory for a New York City student. A Yale pre-medical student volunteer joined the laboratory pulmonary research group for eight weeks during the summer and participated in a project designed to discover the energy cost of certain breathing patterns.

Throughout the year, four Columbia University pre-medical students have spent one day a week as volunteers in the research laboratory; Miss Virginia Black and Mrs. Ruth Ginzberg volunteer their services for five days and one day a week respectively. Miss MacDonald is assisted by two volunteers in the treatment of the patients in the breathing clinic of the laboratory.

Cardiopulmonary Laboratory members have participated in numerous activities outside of the hospital. Dr. Bell is an active member of the New York Heart Association Science Careers Committee and Professional Education Committee.

#### CARDIOPULMONARY LABORATORY STAFF

A. L. Loomis Bell, Jr., M.D.	Full-time	Director
Oswald R. Jones, M.D.		Director
Seichi Shimomura, M.D.	Full-time	Assistant Director
Veljko Krstulovic, M.D.	Full-time	Research Associate
Charles Felton, M.D.	Full-time	Research Fellow
Barry Hellman, M.D.	Full-time	Research Fellow

*Tissue Culture Laboratory* The major area of research has been tissue culture of bone marrow. The emphasis this year has been on histochemical demonstration of enzyme activity in blood cells.

Enzymes studied have been alkaline phosphatase glucose-6-phosphate dehydrogenase, lactic acid dehydrogenase, succinic dehydrogenase, B-hydroxybutyric acid dehydrogenase, and iso-citric dehydrogenase. For several months the work was stalled by the problem of endogenous substrate. It was finally discovered that the approved methods of fixation damaged the cell enzymes and that it was possible to demonstrate the enzyme with the dyes employed in the living cell without any fixation.

A surprising discovery was the synthesis of endothelium lined channels identical in appearance to marrow sinusoids in vitro from buffy coats of peripheral blood. These structures show evidence of cell proliferation and production of blood cells of different types if stimulated to do so by chronic myelogenous leukemia serum or phytohemagglutinin. They appear to arise from lymphocytes when buffy coats of patients with chronic lymphatic leukemia are employed but are not limited to this origin as shown by their early appearance in a buffy coat from a patient with 900,000 granulocytic cells/mm<sup>3</sup> in his blood and practically no lymphocytes.

In addition to participation in the regular activities of the Hematology Group, Dr. Reisner has been active in the Chemotherapy Program of the Department of Surgery, which is part of the Clinical Drug Evaluation Program of the National Cancer Institute, and directs the Chemotherapy Clinic for the treatment of out-patients. He also has been in charge of the programs for the weekly Clinical Tumor Conferences of the hospital.

Dr. Reisner presented papers on "The Origin of Granulocytes in Lymphocyte Cultures" at the meeting of the Tissue Culture Association in Boston, Mass. May 29, and to the New York Society for the Study of Blood. He lectured for the National Vitamin Foundation on the subject of Vitamin B<sub>12</sub> and Folic Acid at Mt. Vernon, Englewood, Somerville and Bergen Pines Hospitals, and participated in a Symposium on Advances in Nutrition and Metabolism of Interest to Physicians and Dentists given in October at the School of Dentistry of Temple University in Philadelphia. He also lectured to the medical department of Hahnemann Medical College on the subject of Metabolic Interrelationships of Vitamin B<sub>12</sub> and Folic Acid.



### Financial Support

The work of this laboratory has been supported by the National Institutes of Health and by a grant from the John A. Polachek Foundation.

#### TISSUE CULTURE LABORATORY STAFF

Edward H. Reisner, Jr., M.D

Part-time

Director

*Gastrointestinal Unit* The Gastrointestinal Unit has continued to provide consultation assistance to the Ward Services of the hospital, and to study basic problems in the field of intestinal function and metabolism. Dr. Charles Flood has become associated with the Unit and is in charge of the endoscopy service, a valuable addition to the training program. Dr. John Du Bois has continued to participate in the clinical and research activities on a part time basis. In July, Dr. Julian Clark became the first training fellow of the Gastrointestinal Unit. At least one medical resident physician is in rotation through the Unit at all times.

In recent years, it has become clear that the control of absorption of many substances from the intestinal tract is of fundamental importance in our understanding of normal metabolism and derangements in disease states. Thus, for example, it has been shown that the level of blood cholesterol is dependent primarily on the ability of the liver to convert cholesterol to bile salts and of the intestine to reabsorb these bile salts. During the past year, research has continued in the laboratory on the mechanism of bile salt absorption by the intestine. Studies have shown that the ileum absorbs bile salts rapidly by a process that is similar to the action of a specific enzyme, and that different bile salts will interfere with absorption of a test bile salt. By the study of compounds of similar structure it is hoped to predict the chemical structure of other compounds that will reduce bile salt absorption, by this means lowering serum cholesterol. Studies are being continued to detect whether the intestine has enzymes similar to those present in the liver that alter bile acids during absorption.

Bile salt absorption also was found to be dependent on the presence of sodium similar to previous observations on the absorption of sugars and amino acids. Studies have shown that sodium in normal concentration is not rate limiting in the absorption of a combination

of sugars, amino acids and bile salts by the intestine suggesting that sodium plays an essential but secondary role in normal absorption. These investigations will be pursued in adrenalectomized animals.

The basic understanding gained by this work in the laboratory is being applied to the study of human disease. Drs. Holt, Clark and Hashim are engaged in an investigation of the cause of hypocholesterolemia in intestinal malabsorption. Studies of fecal bile acid excretion and hepatic synthesis of cholesterol are being performed. In addition, study of bile salt absorption may provide a functional clue to disease of the ileum.

Studies of the normal absorption of sodium and water by the colon of dogs has revealed for the first time that sodium insorption (the passage of sodium into the body) is related to the state of body water balance. Understanding of control of sodium absorption by the colon is of great importance in the treatment of salt retention in heart failure and liver disease. We have postulated that this control may be exercised through the action of an adrenal hormone, aldosterone, and have pursued our studies with this hormone. This investigation will be continued by experiment in adrenalectomized rats and dogs. These studies have been performed in collaboration with Drs. Fink and Zintel of the Surgical Service.

Dr. John Du Bois, Dr. Robert Kerr, and Dr. Holt have developed a new method of studying protein metabolism in patients. Using a combination of human serum albumin labeled with the isotopes chromium-51 and iodine-125, they have been able to investigate the rate of hepatic synthesis and intestinal loss at the same time. These methods will enable us to understand more clearly the causes of hypoalbuminemia in disease states. Using similar methods, Dr. Holt studied a patient with the rare and puzzling disease of intestinal lymphangiectasia—an abnormality of the lymphatics of the intestine. It was shown that the intestinal losses of protein in this disease could be reduced markedly by the administration of a diet in which fats containing long chain fatty acids were eliminated. This has suggested for the first time, a treatment for these patients and increased our understanding of the mechanism of the disease.

Investigation of a new method for improving the accuracy of de-



testing cancer of the stomach, fluorescent gastrocytology following tetracycline administration, has been started by Dr. MacDonald.

The Gastrointestinal Unit has provided consultation services for patients in the hospital and special techniques, including esophagoscropy and gastroscopy, and liver and intestinal biopsies. Dr. Julian Clark's interest in performing duodenal drainage following secretin stimulation has increased our ability to diagnose disease of the pancreas.

All the members of the group have participated in the general teaching program of the hospital. Twice weekly ward rounds, monthly planned conferences, and conference after the weekly out-patient clinic have been held. These are open to all members of the Medical Service.

During the past year the research program of the Gastrointestinal Unit has been supported by grants from the Health Research Council of New York City and the New York Heart Association.

#### GASTROINTESTINAL UNIT STAFF

Peter R. Holt, M.D.	Full-time	Director
Julian Clark, M.D.	Full-time	Research Fellow

*Hematology Unit and Arthur H. Bunker Hematology Research Laboratory* The Hematology Unit's major research effort is directed at non-genetic control of hemoglobin synthesis. The concept of manipulating cell precesses by applying external forces to the whole animal, or to cell systems, is not new. In essence, this is the basis of pharmacology. The technology of protein synthesis is now so advanced that a number of ways of specifically altering new synthesis of selected proteins in vitro exist in theory. Extrapolated to human disease states, such alterations in net synthesis would have direct practical significance in the inherited hemoglobinopathies, where multihemoglobin proportions within erythrocytes determine whether the cell will live or be destroyed prematurely. Success in this program would, in effect, constitute circumvention of the forces of heredity.

Certain animals also make multiple hemoglobins, and the duck was chosen as an experimental model. Results to date indicate that

in vivo the proportions of the duck's two hemoglobins do respond reciprocally to the stimulus provided by severe anemia. In vitro, a direct effect of thyroid hormone on hemoglobin synthesis occurred at a critical concentration of hormone. A preliminary account of the Unit's research was given by invitation at the Hematology Research Seminar of Montefiore Hospital on November 12.

The Hematology Unit continues to train medical resident physicians rotating through the Unit. Rounds on the medical wards are supplemented by informal discussions and directed reading. Consultations to all ward services of the hospital are performed by the resident, and blood and bone marrow preparations are interpreted in collaboration with senior members of the Unit. The Hematology Clinic is attended by the resident and five senior staff members.

An investigation of the manifestations and treatment of multiple myeloma and macroglobulinemia is in progress in collaboration with the Rockefeller Institute. The Unit is presently testing two drugs which may have application in the treatment of sickle-cell crisis: one of these, a strong analgesic, is claimed to have no addicting properties.

Dr. Bertles, a member of the Hematology Seminar Group of Presbyterian Hospital, also serves there as attending physician on the Hematology Consultation service.

Financial support has been received from the Arthur H. Bunker Fund for Research in Blood of St. Luke's Hospital, and the Health Research Council of the City of New York.

HEMATOLOGY UNIT AND ARTHUR H. BUNKER HEMATOLOGY RESEARCH LABORATORY STAFF:

John F. Bertles, M.D.	Full-time	Director
Thomas A. Borgese, Ph.D.	Full-time	Consultant in Biochemistry

*Laboratory for Nutrition and Metabolism* The Laboratory for Nutrition and Metabolism, has continued to conduct research in lipid and carbohydrate metabolism and physiology. Dr. Theodore B. Van Itallie participated in the research activities of the laboratory. Collaboration with the Institute of Nutrition Sciences, Columbia University, under the direction of Dr. W. H. Sebrell, has been broadened to include the establishment at St. Luke's of a formal course in Clinical Nutrition for graduate students of the Institute.

Studies performed by the Unit of bile acid metabolism in man have indicated that patients with hypercholesteremia may excrete subnormal amounts of bile acids in the feces. Such patients respond to cholestyramine treatment with a substantial increase in fecal output of bile acids. Since the fecal route is the body's only egress for cholesterol and its end products (the bile acids and other sterols), these studies have helped to throw light on the mechanism of hypercholesteremia in the patient with familial hypercholesteremic xanthomatosis. Such patients have a very high risk of developing atherosclerosis and coronary heart disease at an early age.

The staff of the Metabolic Unit has studied a large series of patients with hypercholesteremia treated with cholestyramine for periods up to four years. The data indicate that cholestyramine is effective in lowering blood cholesterol as long as treatment is continued, without producing any significant side effects.

Further studies with a new synthetic fat preparation, medium chain triglyceride (MCT), have been made. MCT is composed almost exclusively of saturated C8 and C10 fatty acids. The availability of this fat in "pilot-plant" quantities has made possible its use in the clinical management of a variety of serious disorders: chyluria, chylothorax, pancreatogenous malabsorption, protein-losing enteropathy, and cystic fibrosis. Further studies of its effectiveness in these disorders are in progress.

The mode of transport in the portal vein of medium chain triglyceride is under study in dogs with indwelling portal and hepatic vein catheters. Preliminary data indicate that the feeding of carbon-14-labeled MCT results in intestinal hydrolysis of the triglyceride and transport of the labeled fatty acid in the portal vein predominantly in the free fatty acid form. Further studies are under way to determine the fate of these fatty acids in the liver.

Mr. Kenneth Krell has refined a new technique for separating lipids into major categories by use of thin-layer chromatography. Quantification of the lipids so separated has been achieved by use of infrared spectrophotometry. An adaptation of this system was utilized for the separation of medium chain fatty acids. Such procedures are exceedingly useful in their application to the study of lipid physiology.

Dr. Stanley Bergen has studied the effect of medium chain triglycerides and fatty acids on ketone production in man and in the canine liver. It appears that orally administered medium chain triglyceride induces a mild hyperketonemia. Such studies will help to elucidate the mechanism by which a plethora of fatty acids entering the liver can induce ketosis.

The effect of linoleate-rich diets on the tocopherol (vitamin E) requirement in the infant has been pursued in our laboratory by Dr. Habiba Hassan. Preliminary results indicate that when the diet of the infant is rich in linoleic acid (a polyunsaturated fatty acid), the tocopheral requirement of the infant rises. Work continues to be directed toward establishing more precisely the effect in the infant of a linoleate-rich diet on the need for vitamin E.

In contrast to the situation in the infant, adults maintained on linoleate-rich diets for periods up to four years show normal levels of blood tocopherol. This observation was made by Dr. George Christakis, Director of the Bureau of Nutrition, New York City, and Research Associate in medicine at St. Luke's. Other studies of metabolic epidemiology are being conducted by Dr. Christakis in collaboration with the Nutrition-Metabolism laboratory.

Mr. George Schuttringer has studied the tocopherol content of the human erythrocyte by means of spectrofluorometry. Circulating erythrocytes may remove tocopherol from plasma in amounts and at rates that remain to be determined.

An automatically-monitored food dispensing apparatus has been developed for the study of food intake in man. The machine dispenses single mouthfuls of liquid formula diet in response to an activating button. Each delivery of formula is recorded. Dr. Phienvit of our laboratory has applied this technique in the study of food intake in normal weight and obese subjects. This approach should prove useful in the study of food intake in man, and the system can be programmed to meet a variety of experimental needs.

In collaboration with Dr. Louis B. Dotti and Dr. Fred Schilling, an extension of the study of urinary excretion of vanillyl mandelic acid (VMA) has been made to include data from over 500 subjects. Men with coronary heart disease over age 40 excrete significantly more

VMA than normal men in the same age category. A similar trend is observed in women with coronary heart disease. Patients with hypertension do not excrete more VMA than normal individuals in the same age and sex categories. The results are being computer-analyzed in an attempt to find other parameters that may correlate with VMA excretion. Dr. Dotti continues to help and advise on the analytical chemistry aspect of the program.

Three graduate students are currently engaged in doctoral thesis work in our laboratory. The students have completed their graduate course requirements at the Institute of Nutrition Sciences, Columbia University. Mrs. Katherine Hasegawa is studying the relationship between diabetes, insulin metabolism and obesity. Mrs. Aida Weiss has begun experimental studies of tocopherol metabolism. Mrs. P. Fontanares is completing her research on the experimental and clinical aspects of bile acid metabolism.

During the past year members of the Laboratory have been engaged in completing plans for the construction of new and integrated facilities for the Laboratory for Nutrition and Metabolism. These facilities are to occupy the tenth and part of the ninth floors of the new Woman's Hospital building and will constitute the new Nutrition and Metabolic Research Center to be operated jointly by the Department of Medicine and the Institute of Nutrition Sciences.

The research program has been supported by grants from the National Institutes of Health, the Nutrition Foundation, Merck, Sharp and Dohme Research Laboratories, the Special Dairy Industry Board, and the Irwin M. Strasburger Foundation.

#### LABORATORY FOR NUTRITION AND METABOLISM STAFF:

Sami A. Hashim, M.D.	Full-time	Director
Stanley S. Bergen, Jr., M.D.	Part-time	Research Associate
George J. Christakis, M.D.	Part-time	Research Associate
Habiba Hassan, M.D.	Full-time	Research Fellow
Phienvit Tantibhedhyangkul, M.D.	Full-time	Research Fellow

*Laboratory for Renal and Endocrine Physiology* Major areas of research involved studies of adrenal gland physiology and biochemistry, as well as clinical evaluation of new drugs used in the treatment of refractory edema. Specific research projects undertaken in 1963 included (i) Demonstration of similar glycogenolytic effects of cyclic

adenosine monophosphate and vasopressin in the acutely perfused canine liver, and (ii) Demonstration of increased blood ACTH levels following methopirapone administration in the dog. This latter study afforded direct experimental confirmation of previously hypothetical and speculative concepts.

Detailed studies of various diuretic regimens in patients with refractory edema were carried out. In these patients it was found that prednisone induced a water diuresis independent of sodium excretion. On the other hand, thiazides and spiro lactones enhanced sodium excretion independent of water excretion. The combination of these treatments resulted in a very effective over-all diuresis. A new, entirely different diuretic agent (Ethacrynic Acid) is currently under evaluation. Preliminary data indicate a limited, but useful place for this agent in the treatment of refractory edema.

Work was completed on the effects on the hypothalamic-pituitary system following acute phenothiazine administration to dogs. The data are compatible with the hypothesis that, initially, phenothiazine induces ACTH release from the pituitary gland, but that after more prolonged administration of the drug there is inhibition of ACTH production. Studies are being completed of the effect of estrogens upon the adrenocortical synthesis of cortisol. A dosage related inhibiting effect of estradiol is apparent. The mechanism of this inhibition may involve reduction in available TPNH.

Work is in progress involving study of the action of a novel type of cholesterol inhibitor on the adrenal synthesis of corticosteroids. This agent, an inhibitor of sterol D7 reductase, prevents the conversion of 7-dehydrocholesterol into cholesterol. Desmosterol does not accumulate; hence total blood stero values decline markedly. Its effect on cortisol synthesis are of great interest.

Members of the Unit continue to be active in the training programs for medical students and house staff. Selected third year residents are assigned to the Unit for 2 to 3 month periods during which they participate in all the functions of the laboratory. For example, all patients with endocrine and or renal disease are jointly seen and evaluated; unit members attend the weekly Endocrine-Metabolic Clinic; the technique of renal biopsy is demonstrated and taught; and



all patients undergoing peritoneal dialysis for the treatment of reversible uremia are attended and supervised daily. In addition, the renal-endocrine group helps to supervise treatment and participate in the diagnosis of patients with endocrine and renal diseases. Special laboratory procedures performed by members of the Unit include measurements of blood hydrocortisone concentration before and after ACTH, blood ACTH assays, serum and urine osmolality, and NA, K, and CL concentration in biological samples.

Members of the Unit participated in the Science Career Program for high school students sponsored jointly by the New York Heart Association and the New York City Board of Education. Under this program two high school students worked full-time in the laboratory during the summer months learning research procedures and experimental design. The program was designed to stimulate talented students to consider a career in medicine or an allied science.

Dr. Hilton was elected a Fellow of the American College of Clinical Pharmacology and Chemotherapy and Drs. Crampton, Athos and Cushman were elected Diplomates of the American Board of Internal Medicine. Dr. Hilton lectured on "The Use and Abuse of Diuretics" at the Bridgeport, Connecticut Heart Association in February. He also talked on "The Origin of Electrolyte Imbalance in Congestive Heart Failure" at the Bergen Pines County Hospital in New Jersey in March. He attended and participated in the meetings of the Salt and Water Club held in March and November. Drs. Hilton, Cushman and Westermann attended meetings of the American Physiological Society in April, the American Society of Clinical Investigation in May, and the Endocrine Society in June of 1963—all held in Atlantic City, N. J.

Major sources of financial support for the Laboratory include the American Heart Association, the New York Heart Association, the Life Insurance Medical Research Fund, and the National Institutes of Health.

#### LABORATORY FOR RENAL AND ENDOCRINE PHYSIOLOGY STAFF:

James G. Hilton, M.D.	Full-time	Director
Paul Cushman, Jr., M.D.	Full-time	Assistant Director
Carol Dickson, M.D.	Full-time	Research Associate
William Athos, M.D.	Part-time	Research Associate
Coenraad Westermann, M.D.	Part-time	Research Associate
Richard Crampton, M.D.	Part-time	Research Associate
Miguel Pulido, M.D.	Full-time	Research Fellow





# Obstetrics and Gynecology

Harold M. Tovell, M.D., Director

The year 1963 completed the first 12 months of service of the present Director. It was a year marked by orientation and becoming acquainted with not only the members of the staff of Woman's Hospital but of the magnitude of the service performed by the Hospital. It was a year devoted to much planning and organization for the future development of one of the major services of the combined hospitals.

## Patient Care

*Out-Patient Department:* The obstetric and gynecologic clinics continued to serve a large volume of patients as seen in Table I\*. A 4th Obstetrics Clinic in the week has been added to an already busy clinic schedule to permit a broader distribution of patients and more time for the clinic resident staff to give to individual patients attending the pre-natal clinic for the first time. The Infertility and Endocrine Clinics, formerly 2 separate clinics, have been combined under the direction of Dr. Haig Carapetyan and now operate two half-day sessions a week in order to give time to the expanding number of patients attending this service.

## In-Patient Department

*Hospital Admissions:* Table II summarizes the admission record of the 2 services according to the class of patients. It should be noted that with an average stay of 6.7 days per gynecologic patient that 55 beds are essential to satisfy the existing needs of Woman's Hospital.

---

\*Tables appear at end of this report.

This is 2 beds more than is planned for the new building. It is anticipated, however, that in the new building the gynecologic service will be considerably increased. It is therefore strongly urged that serious consideration be given to provide the necessary increase in the number of beds to satisfy both the existing and the potential patient care needs and teaching material of this service, which is noted to be one of the largest of its kind in the city.

The 56 obstetrical beds planned for the new building appear to be sufficient for currently existing needs and allows for an increase in all classes of obstetrical patients which is strongly anticipated.

*Obstetrical Service:* The performance of the obstetrical service is seen in Table III. An obstetrical summary check sheet, suitable for IBM coding has been introduced whereby all completed obstetrical cases can be fully documented. It is hoped that from these records a more complete obstetrical report may be forthcoming. Table IV summarizes the various types of deliveries performed.

There were 21 neonatal deaths in 2,280 live births of 1,000 gms. or over resulting in a perinatal mortality rate of 9.2/M, a figure well in keeping with the national average. The cause of death in this perinatal mortality group was as follows: prematurity 2, congenital defect 4, asphyxia 3, atelectosis 2, erythroblastosis 1, pneumonia 1, hyaline membrane disease 4, unknown 3.

One maternal mortality occurred on the Ward Service following an unevenful pregnancy, precipitous labor and low forcep delivery. Despite proper and heroic efforts on the part of the Attending and Resident Staff death occurred from hemorrhage secondary to hypofibrinogenemia and amniotic fluid embolism. The case was presented to and discussed at the Special Committee on Maternal Welfare of the N. Y. County Medical Society and was unanimously felt to have been an unpreventable death.

*Gynecologic Service:* Table V summarizes the performance of the Gynecologic Service showing a total of 3,284 gynecologic procedures. An additional 738 obstetrical operations performed in the gynecologic operating rooms gives a total of 4,022 operations. This reflects

the load placed on the operating room staff which happily will be partially corrected in the new building where a cesarean section room will be in the delivery room suite. There were 16 gynecologic deaths predominantly occurring in advanced cases of malignancy. One operative death occurred in a private patient immediately following her operation and was felt to be due to a coronary thrombosis.

#### **Nursing Service**

"Preparation for Childbirth" classes have been initiated by Miss Gwen Collier, Directress of Nurses, for both private and ward patients who wish to attend. Six classes, over a period of 6 weeks, are offered to both mothers and their husbands who are given instruction on the processes involved in pregnancy, labor and delivery. These are given in such a way that many of the fears of these hitherto unknown experiences to the patients are removed. The success of these classes is attested by the increase in applicants registering in the course since its inception and the probable need of holding 2 classes a week. Plans for an additional series of instructional classes in prenatal and post-natal exercises are being developed.

#### **Residency Training Program**

Changes currently being established in the Residency Training Program and which are expected to be in full effect in 3 years are designed to broaden the clinical training of residents and to extend the program from 3 to 4 years. Among the features of the program will be an increased amount of time allotted to gynecologic and obstetrical pathology and a rotation through general surgery and female urology. Approval for an increased number of residents has been obtained to permit the effectiveness of the new program without compromising the extensive experience offered at present to the resident staff due to the large volume of clinical material.

#### **Social Service**

This vital service was deeply saddened this year by the death following a long illness of Miss Louise Curtis, Director of Social Service

for over 14 years. Despite a temporary curtailment of the staff, Miss Jessica Richards and Miss Carolyn Frost jointly assumed responsibilities of this important service to our patients. There were some 477 new or reopened cases, 2,785 patient interviews and 499 doctor interviews. An additional 1,845 interviews were made with social agencies, housing authorities, landlords, courts and nurses.

#### **Research Activities**

Dr. Barbara Johnston, Research Associate in Obstetrics and Gynecology, working with grants from the New York Cancer Research Institute, Huber Foundation and the June Thomson Moore Fund has continued her studies on evaluating the effectiveness of various combinations of cancer chemotherapeutic agents on tumor tissue. These studies are also designed to observe any decreased degree of toxicity of the combined compounds as opposed to that observed with the individual compounds given above.

In collaboration with Dr. Elise L. Renning, an Associate Attending in Obstetrics and Gynecology and Dr. Harold M. M. Tovell, Attending Obstetrician and Gynecologist, certain chemotherapeutic agents used for treating advanced gynecologic malignancies are being evaluated at a clinical level.

Dr. Tovell and Dr. Johnston were awarded a grant from the National Foundation to search for any possible chromosomal aberrations in trophoblastic cells obtained from both therapeutic and spontaneous abortion material. This work is in progress.

A Bioacoustical Laboratory under the direction of Dr. Lajos Von Micsky, Assistant Attending Obstetrician and Gynecologist has been organized and a grant application has been submitted to the National Institute of Health for the purposes of simultaneously studying and correlating intramniotic pressure gradients and cervical dilatation in labor. Preliminary studies have also been made by Dr. Von Micsky to test the practical application of ultrasonic diagnostic equipment in locating and identifying abnormalities in body cavities. These studies suggest a unique method for detecting early pregnancy abnormalities and problems of dystocia. This laboratory promises to form the nu-

cleus of a uterine physiology laboratory which is hoped to be an integral part of the research activities of the Woman's Hospital in the future.

#### **Prospective Clinical Studies**

Under the supervision of Dr. Von Micsky arrangements have been made partly as a teaching practice and partly as a diagnostic service to instruct the residents in the use and value of culdoscopic examinations. Though the culdoscope has been intermittently used in the past, it is hoped that with the organization of this service a large series of cases can be obtained and that the use of the culdoscope will become an integral part of the training of each resident.

Initiated by Dr. Juan Solsona, a senior resident in obstetrics and gynecology, and now under the supervision of Dr. Ian Van Praagh, Assistant Attending Obstetrician and Gynecologist, a series of cases is being studied to evaluate the practical aspects and analgesic effects of paracervical blocks in patients in labor by employing a specially designed needle.

#### **Retrospective Clinical Studies**

Retrospective studies reviewing case material have been undertaken or are in the process of being reviewed by both members of the Attending and Resident staffs.

Dr. Haig Carapetyan, Attending Obstetrician and Gynecologist and Dr. Miguel Pulido, Research Fellow in Endocrinology, are reviewing the cases of Stein-Leventhal ovaries encountered at Woman's Hospital. Dr. Tovell, in collaboration with Dr. Graham Hawks, Associate Attending Obstetrician and Gynecologist and Dr. Van Praagh are making a retrospective, as well as a prospective study, of cesarean sections performed at Woman's Hospital.

Dr. Frank Spielman, Assistant Attending Obstetrician and Gynecologist has continued his study of abruptio placenta and has collected over 250 cases from the records of Woman's Hospital.

Dr. Robert M. Cushing, Assistant Attending Obstetrician and Gynecologist has completed an extensive review of the major urological

complications following radiation therapy in all cases of cervical cancer treated at Woman's Hospital. This work is now in preparation and will be submitted for publication this year. It promises to be a valuable contribution.

Dr. Bernard Nathanson, Assistant Obstetrician and Gynecologist, in collaboration with Dr. Joseph Ward, Assistant Attending Urologist, have completed a clinical review of cases of ectopic kidney, with particular reference to those cases encountered in pregnancy. This work is now on press.

Dr. John S. Aldridge, Assistant Attending Obstetrician and Gynecologist, in charge of reporting the annual statistics of carcinoma of the cervix treated at the Woman's Hospital to the World Health Organization Office in Stockholm, Sweden, has submitted the statistics for the five year period from 1952 through 1956. Of the 208 cases examined, 204 were treated and 78 cases or 37.5% survived 5 years. In the operative group alone, of 46 patients, predominantly composed of earlier lesions, 28 cases or 61% survived 5 years.

Dr. Richard X. Sands, Clinical Assistant in the Out-Patient Department has completed a study of obese pregnant patients. By the intermittent use of a fixed low calorie liquid food (Sego) 92% of 110 patients completing this study showed a satisfactory response by failing to gain an anticipated amount of weight. This work has been submitted for publication.

Dr. Sands initiated a pilot study to investigate the safety and effectiveness of metronidazole (Flagyl) therapy in pregnant patients suffering from Trichomoniasis Vaginalis et Vaginitis. It is anticipated that this work will be continued following approval from the F.D.A. and will be supported by the G. D. Searle Co.

Dr. Stuart Oster, recently graduated from the Residency Program and now an Assistant Attending Obstetrician and Gynecologist, is currently reviewing the cases of Class A diabetes in pregnancy.

Dr. Neil Sherman, Resident in Obstetrics and Gynecology, is reviewing the cases of abdominal pregnancies seen at Woman's Hospital.

Dr. Wayne Boring and Dr. Juan Solsano, Senior Residents in Obstetrics and Gynecology have almost completed a review of cases of



carcinoma of the vulva encountered at Woman's Hospital. Some 28 cases of this relatively rare condition have been collected to date.

Dr. Shah Naderi, Assistant Resident in Obstetrics and Gynecology is reviewing the obstetrical performance and outcome of patients with face and brow presentations in labor.

#### Staff Activities

Dr. James P. Marr, Consultant in Obstetrics and Gynecology, addressed the Obstetrical and Gynecological Society of Birmingham, Alabama and the Gynecologic Section of the Southern Medical Association in New Orleans, on the contributions of James Marion Sims. He also lectured to the medical students at the University of Alabama on the subject of extraperitoneal cesarean section.

Dr. Leon Motyloff, Attending Pathologist, addressed the Hartford General Hospital Staff on Radiosensitivity problems encountered in treating endometrial cancer.

Dr. Tovell presented a paper at the American Association of Cancer Research Meeting in Toronto, Canada, on the growth of human ovarian cancers in tissue culture and in small laboratory animals. Most of this work was done under a grant from the National Institute of Health at the College of Physicians and Surgeons, Columbia University. He also was invited to discuss a paper on pelvic lymph nodes in cervical cancer at the American Association of Obstetricians and Gynecologists at Hot Springs, Virginia.

Dr. Renning attended the meeting of the International Women's Congress in Manila and presented a review of 610 cases of Endometrial Cancer Treated at Woman's Hospital. She lectured to students and staff of the Maulana Azad Medical College in New Delhi on the management of cancer of the uterus.

Dr. Cushing presented a paper on vaginitis in the immature vagina to the pediatric staff of the Booth Memorial Hospital and to the gynecologic staff of the Portchester General Hospital.

The staff of Woman's Hospital were hosts for one day to the Gynecologic Section of the Central Pennsylvania Chapter of the American College of Surgeons and papers were presented to the group by



Drs. Javert, Tovell, Nathanson and Johnston. Operative Clinics were held in the morning and were demonstrated by the late Dr. Ralph Hurd, Dr. G. Gordon Bemis and Dr. Albert H. Aldridge, all consultants in Obstetrics and Gynecology and by Dr. Edward Sivigny, Attending Obstetrician and Gynecologist.

The Clinic Staff partook in a reorientation teaching program in the taking of cervical and vaginal Papanicolaou smears for some 30 general practitioners practicing in the area of St. Luke's and Woman's Hospital. The program was arranged by the Subcommittee on Cancer of the Public Health Committee of the Medical Society of the County of New York and sponsored by the New York City Department of Health and the New York City Cancer Committee of the American Cancer Society.

#### Personnel

Dr. Spielman and Dr. Graham G. Hawks were promoted from Assistant Attending to Associate Attending in Obstetrics and Gynecology. Dr. Margot Ammann, Assistant Attending Obstetrician and Gynecologist successfully completed the examination of the American Board of Obstetrics and Gynecology.

Dr. Tovell was appointed to the Committee of the Continuing Education of Obstetricians and Gynecologists of the American College of Obstetricians and Gynecologists and will serve as Chairman of this Committee for District II (New York State). He also served as Secretary of the Obstetrical and Gynecological Section of the New York Academy of Medicine and the New York Gynecologic Society. He again served as Chairman of the Post Graduate Course in Obstetrics and Gynecology given by the Department of Obstetrics and Gynecology, College of Physicians and Surgeons at Columbia University.

Two distinguished colleagues from England visited Woman's Hospital this year. Professor Hector R. MacLennan, President of the Royal College of Obstetricians and Gynecologists and Professor Ian Morris, Chairman of the Department of Obstetrics and Gynecology, University of Manchester, England.

Dr. Lajos Von Micsky, Assistant Attending Obstetrician and Gynecologist and Assistant in the Department of Obstetrics and Gynecology, College of Physicians and Surgeons, Columbia University, was appointed to the Woman's Hospital Staff. Dr. Von Micsky, besides assuming teaching responsibilities in the Hospital plans to investigate problems of uterine contractility in patients in labor.

#### **The Future**

The next 12 months will see the consolidation of plans under the direction of Mr. Carl P. Wright, Jr., Director of Woman's Hospital, for moving the Hospital to our new quarters on Amsterdam Avenue. This promises to be a major task involving multiple disciplines and much time.

A special committee under the Chairmanship of Mr. F. Huntington Babcock, Trustee of the Hospital, has listed and arranged for the ultimate disposition of items in Woman's Hospital of important historical interest and value. It is anticipated that most, if not all of these items, will be relocated in the new St. Luke's and Woman's Hospital Complex.

The expansion and broadening of the teaching program and services of the Hospital in the form of Resident Seminars, Staff Conference, guest speakers and clinical-pathological conferences will form a major contribution of this service in the next year.

**Table I:****Out-Patient Department**

	Obstetric	Specialty Clinics	Gynecology	TOTAL
New Visits	1,394	205	2,636	4,235
Repeat Visits	12,141	1,371	9,616	23,128
TOTAL	13,535	1,576	12,252	27,363

**Table II:****Hospital Admissions**

	Ward	Semi-Private	Private	TOTAL
Obstetrics	1,680	668	342	2,690
Gynecology	1,050	1,592	514	3,156
TOTAL	2,730	2,260	856	5,846

**Table III:****Obstetrical Summary**

	Ward	Private	TOTAL
No. of Deliveries	1382	945	2327
No. of Births (discharged)			
Non Viable (< 500 gms)	6	3	9
Pre Viable (500-1000 gms)	13	4	17
Viable Premature (1000-2499 gms)	165	62	227
Viable Term (> 2500 gms)	1,190	863	2,053
TOTAL	1,374	932	2,306

**Table IV:                      Types of Obstetrical Delivery**

	Ward	Private	TOTAL
Spontaneous (Vertex)	409	270	679
Low Forceps	708	464	1,172
Mid Forceps	108	34	142
Breech Deliveries	67	28	95
1° Cesarean Section	57	88	145
Repeat    "        "	54	67	121

**Table V:                      Gynecologic Procedures**

	Ward	Private	TOTAL
Major Operations	537	840	1,377
Minor Operations	608	1,214	1,822
Operations for Cancer	32	53	85
TOTAL	1,177	2,107	3,284



# Oral Surgery and Dentistry

Henry G. Rieger, D.D.S., Director

The year 1963 saw the completion of the previous year's efforts which included the introduction of Ambulatory General Anesthesia for minor dental surgery; and the start of pediatric dentistry for the in-patient.

There is an active teaching program, offering to the Interne and Resident, training well in excess of the minimum requirements of the American Council of Dental Education.

Several members of our Staff presented programs at the New York State Society and the First District Dental Society Scientific Programs.

The General Dentistry and Orthodontic therapies of the Cleft Palate Clinic are functioning well and actively.

In the fall of 1963, the Director discussed with the Dean and the Director of Oral Surgery of Columbia University the advisability of instituting the Dental part of the agreement between St. Luke's Hospital and Columbia University. The two discussions were very enlightening.





# Orthopedics

Frederick R. Thompson, M.D., Director

**D**uring the past year, the Orthopedic Service has continued to render the highest possible care to the patients with disabling bone and joint conditions. With the help of our splendid nursing service, we feel that there has been continued improvement in this domain. In spite of the increasing age of some of our old ladies with broken hips, it is rare indeed to find one who does not feel that she has been petted and coddled more than medically necessary to heal her broken bones.

*Rehabilitation* The patients continue their active program of rehabilitation following their injuries to joints and bones. The close working arrangement with the Department of Physical Medicine has been of great help. Members of their staff come to the wards and work with the patients, teach them to walk and to gain motion of their limbs under our supervision. Some of the patients necessarily must go to the Department of Physical Medicine to use the special apparatus available there. This cooperation is important for their convalescence.

*Loss of Beds* The close of the Convalescent Hospital was a serious blow to the rehabilitation and convalescent care of our patients. The Convalescent Hospital was always considered by us, in the past, as an extension of our ward's service. We would actively shift patients back and forth to Greenwich from both our children's and adults' wards. It is hoped that the new Vanderbilt replacement building being erected will contain sufficient beds to make up for this loss of our beds.

Additional bed space was temporarily lost during the building of the archway across 114th Street from the Clark building to the newly

erected Woman's Hospital. It was necessary to close off the two orthopedic rooms for a time while this break-through of the walls was performed. Although a noisy nuisance, the basic good care of the patient was not disturbed to any degree.

*New Staff* The Orthopedic Service was fortunate in obtaining three brilliant young surgeons to add to our staff, Dr. Robert E. Zickel, Dr. Henry J. Maglioto and Dr. Norman Hill. Both Dr. Zickel and Dr. Maglioto are graduates from our Orthopedic Service, having completed the full program. Dr. Hill comes to us from the New York Orthopedic Hospital and is a highly trained hand surgeon. These three have taken on the duties of training our residents in the basic sciences. They help in the out-patient department and on the wards and actively supervise operative cases in the operating room. Hand surgery is a specialized type of orthopedic surgery, requiring meticulous care and technique. The teaching of hand surgery to both the surgical service, as well as to our own residents, has been a major addition to our department this year.

*Statistics* Orthopedic operations this year have numbered 990, an increase of 2% for the year. This represents an average of over 3 per weekday. This large number consisting of both private and ward cases places a considerable load of work on the house staff to both prepare the patients for surgery, as well as to take care of them afterward. The efficiency of the operating room staff and the excellence of our anesthesia department has made this operative part of our program an extremely smooth function with no casualties.

*Clinics* Our large orthopedic clinics are personally supervised by all the attending orthopedic surgeons, who work there together with the resident staff. They saw 5,827 patients during the year, an increase of 10% over last year. They were assisted by other orthopedic surgeons, former residents who have graduated from our training program and who are practicing in New Jersey and in cities near New York. This fortuitous arrangement benefits our resident staff from the standpoint of learning from the experiences of the young

doctors in active practice while they, in turn, attend our conferences and keep abreast of the latest progress in orthopedic surgery.

*Resident Training* Great emphasis is placed on Basic Science teaching in this department. Two hours of Anatomy under Dr. Leon Katowicz are given every week. Three and a half hours per week are devoted to Pathology. Although some of the pathological teaching is done by our own staff, the invaluable aid rendered us by Dr. Begg and his staff from the Pathology Department has made these sessions an outstanding teaching treat to all members of the Orthopedic Service. The Basic Science Courses given by Presbyterian Hospital Medical Center are attended for one full month, every six months, by two residents. Each resident, therefore, takes this course twice in his three years of training with us. During this period, they are completely relieved of their hospital duties in order to obtain the maximum benefit of intensive study and attendance at the courses. In addition to this, the residents attend a weekly Basic Science Lecture at night at Medical Center. It is believed that this emphasis on teaching has raised the standard and the ability of the individual in this specialty field.

#### Research

During the past year, Dr. George Hewson developed a special brace for the treatment of children born with dislocation of the hip. This unique brace is capable of reducing the dislocation, as well as maintaining the proper position of the hip in the socket after the reduction has taken place. The brace was well received at an exhibit shown at the national meeting of the American Academy of Orthopedic Surgeons and is being widely tried and utilized abroad, as well as in the United States. It represents a significant advance in the handling of this difficult problem, especially when the mother takes the child home. It has enormously reduced the length of time necessary to keep the child in the hospital.

Dr. Robert Zickel has conceived of a new appliance for use in a specific type of hip fracture. This has great promise in aiding patients with subtrochanteric fractures. The design has been altered slightly

as experience has shown a need for such change. This new tool from our research department, however, is encouraging from the standpoint of originality and practicability.

A joint research project in conjunction with Dr. Ray Jones of the Pediatric Department has been organized to study Hydroxyproline in bone metabolism. This chemical substance is a measure of the build-up and of the breakdown of the collagen matrix in bone. This technical biochemical research is necessary for the understanding of certain bone conditions in the child, as well as in the aged person. The joint energies of the two Services should be able to discover a practical aid to some bone problems in these two widely diversified age groups.

The necessity of hardening bone in some of our elderly patients has directed a considerable effort of our research in that direction in the past. The Hydroxyproline studies will help with the continuation of our work on hardening bone. We have reached the stage now where we believe we can harden bone, but we are unable to prove this fact scientifically. It must be considered an impression as long as we are unable to prove this point.

#### **Staff Activities**

Members of the staff have been active on an international and national level, presenting papers and participating in seminars and meetings throughout the country. Dr. Frederick R. Thompson, the Director, served as visiting professor to an orthopedic seminar in Buffalo, and again at the annual meeting of the New England Orthopedic Society. Both he and Dr. Winant attended the international meeting of all the English speaking orthopedic surgeons held in Vancouver in conjunction with the Canadian Orthopedic Society. Our department believes strongly that participation in, and attendance at important meetings throughout the country, are an important method of bringing back to our resident staff, the latest developments in our specialty and keeping our residents abreast of the tide of knowledge that continues to surge constantly onward.

Dr. Winant continues as Associate Editor of the Journal of Bone and Joint Surgery and is active in his capacity as the member of the Board

of Governors of the American College of Surgeons. Dr. J. William Fielding is kept busy between his teaching duties at St. Luke's Hospital and his Directorship of the Orthopedic Department at New York Polyclinic Hospital and Medical School. He is the new Chairman of the Audio-visual Committee of the American Academy of Orthopedic Surgeons and he is one of the representatives of the Scientific Exhibit Section of the American Medical Association.

#### Summary

One might summarize the Department's activities by saying that there are just not enough hours in the day to accomplish what we wish to do. Since the members of our department spend, as a rule, over half a day in the pursuit of their hospital duties and teaching alone, before attending to their private practice, we find that research and advance is usually accomplished by night-work and work performed on week-ends. Our research work is directed more at the practical application of solving existing problems than it is towards delving into basic research problems. Increased funds are needed for these activities. At the last annual national meeting of the American Academy of Orthopedic Surgeons, our department entered into fourteen parts of the program which included examining Board applicants, demonstrating scientific exhibits, teaching at instructional lecture courses, giving scientific papers and showing teaching moving pictures at our Audio-visual section. This constructive effort to our national meeting is believed to be greater than that offered by any other hospital orthopedic service in the country.

# Otolaryngology

Stanley Whitfield, M.D., Director

**D**uring the year 1963 the entire emphasis has been placed on possible improvement in the residency training program, on the basis that this must be one of the main spheres of departmental activity in a unit of a teaching hospital. Furthermore it was felt that any improvement in the residency training program must eventually reflect in improved patient care, the main activity of the hospital. This reorganization and reorientation of the resident training program resulted in a temporary resident shortage while the new program was being set up. Consequently, the existing resident staff had to carry an extremely heavy clinical work load during the year. In spite of this and with the help and cooperation of members of both the attending and resident staff considerable progress was made not only in the reorganization of the resident program but also, and as a result, the clinical activities of the department showed considerable increase from the previous year.

This report deals almost exclusively with the departmental changes that were made and established in an effort to improve resident training.

## Basic Sciences

It was firmly established that the residents regularly attend the Basic Science Course for otolaryngology residents given by the College of Physicians and Surgeons of Columbia University. Equally importantly it was established that some members of the attending staff of the ENT Department of St. Luke's Hospital actively participate as teachers in this program.

### **Conferences**

During the year an effort was made to set up a regular conference schedule. A regular ear, nose and throat staff conference was inaugurated and held once a month. At this conference guest speakers were invited to address the department. In addition administrative problems associated with the department were discussed. An audiology conference was organized on a monthly basis to assist in the further training of residents in the diagnostic and therapeutic aspects of hearing and speech problems. With the cooperation of the Department of Pathology, a regular monthly pathology conference was started at which ENT pathology was reviewed.

In addition the residents were encouraged to attend the monthly meeting of the ear, nose and throat section of the New York Academy of Medicine and also other local area medical meetings. The senior resident attended the annual conference of the American Academy of Ophthalmology and Otolaryngology and participated in various teaching programs at that conference. It is planned to increase the conference schedule in the future.

### **Clinics**

Changes were made in the clinic organization to improve resident teaching. In addition to the previously held routine afternoon ear, nose, and throat clinics, additional clinics were organized on Monday, Wednesday, and Friday mornings. Only a limited number of cases of special teaching interest are assigned to these morning clinics and therefore plenty of time is available for the teaching of residents by the member of the attending staff assigned to these sessions. These clinics have become a worthwhile educational experience for the members of the attending staff as well as for the resident staff.

### **Attending Staff Schedules**

The responsibility of training residents has been extended to involve all members of the attending staff. Subsequently regular attending schedules are now prepared which assign members of the attending staff on a regular basis not only to clinic duties but also to the cover-



age of the ward service and operating room service. On this basis the members of the attending staff actively participate in teaching in the clinic and on regular ward rounds. The coverage of ward surgery by members of the attending staff has been considerably increased. This improved coverage of the service has resulted in greater activity of the service and therefore a greater quantity of clinical material available for resident training.

#### **Operating Room**

The improved coverage of the ear, nose, and throat clinic reflected in marked increase in the activity in the ear, nose and throat operating room. Especially gratifying has been the increase in microscopic reconstructive middle ear surgery being performed by the department for the control of middle ear infection and the improvement of conductive hearing problems.

#### **Hearing and Speech Department**

This section of the ear, nose and throat department under the general direction of Dr. James Kirkbright continues to undergo expansion. During the year major physical alterations were made to provide the facilities for the installation of more soundproof testing rooms. This will not only allow the better handling of an anticipated increased patient load but also allow a more adequate training of the resident staff in the specialized procedures required for the diagnosis and treatment of hearing and speech problems. It will also allow the development of the investigation of oto-neurological problems with such special investigational equipment as the Bekesy Audiometer.

#### **Research**

Research activities of the department, because of the emphasis on the educational program, have been minimal and entirely limited to clinical research. During the year investigation of the effects of Kenalog and Kenalog S on otitis externa was carried out by Dr. Whitfield of the attending staff and Drs. Brenner and Dadagian of the resident staff.

### **Attending Staff Activities**

Dr. Stanley Whitfield during the year addressed the ear, nose, and throat section of the New York Academy of Medicine on the subject of Tympanoplastic Surgery. He was elected to membership in the New York Bronchoesophagological Society and also the New York Otological Society.

Dr. Hilton Stothers during the year was president of the New York Laryngological Society and a member of the Library Committee of the New York Academy of Medicine. He was in addition a member of the committee on Workman's Compensation of the Medical Society of the County of New York.

The department welcomed two new members to its attending staff, namely: Dr. Raymond Strauss and Dr. Samuel Boor. Dr. Raymond Strauss joined the staff on completion of his residency at Presbyterian Hospital as an Acting Assistant Attending. Shortly thereafter he successfully completed the examination of the specialty board of the American Academy of Otolaryngology. In December of 1963 he was granted temporary leave of absence from his hospital duties when he was called to service with the U.S. Armed Forces.

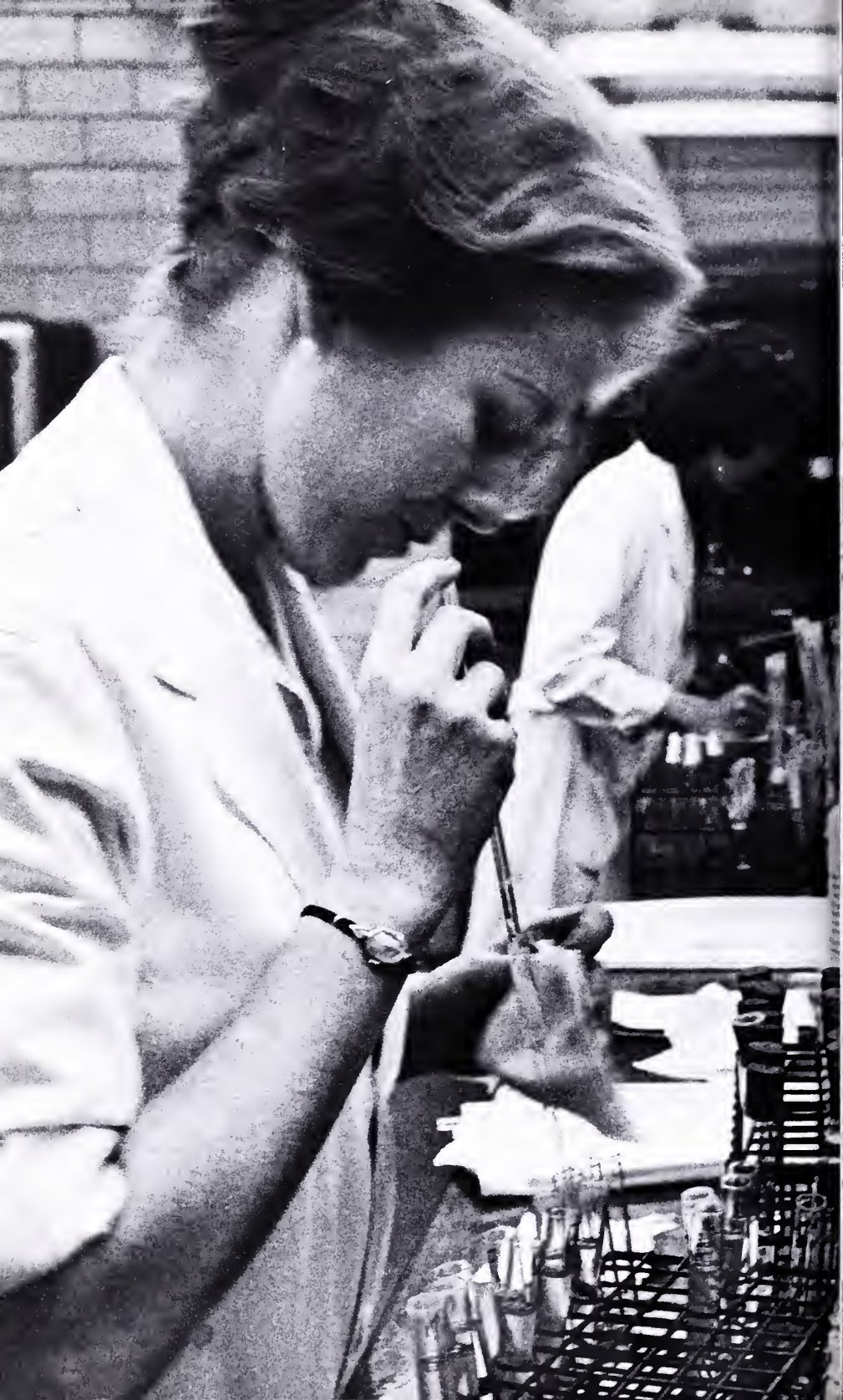
Dr. Samuel Boor joined the staff as Acting Assistant Attending on completion of his spell of duty as an ear, nose and throat specialist with the U.S. Armed Forces in Germany. Dr. Boor, prior to his entry in the armed forces, completed his residency training at Temple University School of Medicine. Dr. Boor also successfully completed the specialty examination of the American Board of Otolaryngology in September 1963.

### **Statistics**

During the year 1963 a total of 883 operations were performed on the ward service and 518 operations performed on the private service.

The total number of visits to the ear, nose and throat clinic was 7,561. There were 1,124 hearing visits and 1,965 speech visits for a total of 3,089 visits to the Hearing and Speech Department.

A total of 300 ENT consultations were performed by the department on other ward services.



# Pathology

Charles F. Begg, M.D., Director

In the year 1963, the efforts of the General Laboratories were largely directed toward the prompt and reliable performance of procedures necessary in the diagnosis and evaluation of patients, and in the interpretation of those results in problem cases. In addition, the department held, or participated in, various weekly conferences concerned with the teaching of residents and staff.

The number of procedures done in the laboratories increased from 446,000 to 471,000 per year.

The department was extremely active in establishing quality control methods for laboratory procedures, and in investigating the usefulness of new tests. Several new tests were added to the armamentarium as the result of this.

## Staff Activities

Drs. Gaetz, Nash and Begg participated in the Second Year Pathology Teaching Program in the College of Physicians and Surgeons. Dr. Dotti cooperated in research programs in the Department of Medicine, and presented a paper, with Drs. Schilling and Hashim of the Department of Medicine, at the annual meeting of the Federated Societies, on the urinary excretion of V.M.A. in normal subjects and patients with coronary heart disease.

Dr. Marion E. Wilson served this past year as President of the American Society for Microbiology, New York City Branch. She also participated in the evaluation of local germicidal agents with the Department of Surgery.

Dr. Harold P. Gaetz joined the department in July, replacing Dr. Felix deNarvaez, who has assumed a position at Harlem Hospital in the Columbia teaching service.

Various members of the department cooperated with other services in the evaluation and interpretation of the effects of various experimental procedures in animals.

Dr. Begg, and Dr. Finby of the Radiology Department, continued the publication of the Radiology-Pathology conference presentations in the New York State Journal of Medicine. This is a bi-monthly feature of this publication.

Dr. Begg worked closely with the Department of Health of the City of New York in setting up laboratory control regulations, and was appointed Chairman of the Board of Examiners. The Microbiology and Biochemistry sections of St. Luke's laboratory have been named as reference laboratories in this laboratory control program.



# Pediatrics

Stuart Shelton Stevenson, M.D., Director

On March 1, 1964, Dr. Stuart Shelton Stevenson succeeded Dr. J. Frederick Eagle, Jr. as Director of the Department. Dr. Elizabeth B. Watkins, who remains as Chief of the Pediatric Clinic, and Dr. Leo F. H. Wilking, Jr. were promoted to Attending Pediatricians. Dr. Catherine Lodyjensky and Dr. Domenick Galluzzo were promoted to Assistant Attending Pediatricians.

Two former pediatric house officers have been appointed as Assistant Attending Pediatricians and will shortly re-join our St. Luke's family: Dr. Eleanor T. Roth, coming from a research position in hematology at the New York Medical College, will assume her duties as Pediatric Hematologist, and Dr. Lucy H. Swift having finished her sub-specialty training at Columbia-Presbyterian Medical Center, will join us as Pediatric Cardiologist.

Two present pediatric house officers have been appointed as Acting Assistant Attending Pediatricians and will remain in the Department on a full-time basis: Dr. Judith E. Frank will devote much of her time to the premature and newborn infant field, and Dr. Sara E. Schuh plans to develop the field of pediatric allergy.

Dr. C. Ray Jones will be the new Chief Resident and he will work with a full quota of house officers. For the first time, we shall be able to assign two house officers to the newborn and premature nurseries and thus allow 24 hour pediatric coverage of these areas.

Last year, the Pediatric Service admitted 1,875 in-patients — 450 more than in the previous year. Some 30,000 out-patients were seen in the Emergency Room and Clinics. Indeed, pediatric patients made up one-third the number of all patients seen in the Emergency Room. We are approaching the time when a large, separate out-patient facility will be a necessity to care for this large number of children. Planning for this is already under way.

# Physical Medicine

Shyh-Jong Yue, M.D., Director

The over-all goal of this Department to provide good patient care continued this year with service to both inpatients and outpatients of the Hospital. There were no changes in the physical facilities. However, some new equipment was added including a Teca Chronaxie Machine and a Mooradian Low Voltage Generator. Though more and more emphasis is placed on the use of exercise in rehabilitation of patients, the various types of modalities are of value and their use continues.

## Patient Care

A total of 54,663 treatments were given in the following categories:

TOTAL IN-PATIENTS	25,839
Private and Semi-Private Patients	15,774
Ward Patients	10,065
TOTAL OUT-PATIENTS	28,824
Referred Private Patients	4,899
Compensation Cases	2,773
Columbia University Athletes	735
Students Under Columbia Health Service, Nurses, and other staff members	2,045
Clinic Patients	18,372

Dr. Shyh-Jong Yue continued to make weekly visits to the Convalescent Hospital to prescribe and supervise physical and occupational therapy there. It is notable that 12,300 physical therapy treatments were given, an increase of more than one hundred per cent over last year; 1,544 treatments were given in occupational therapy. Studies are being made in the treatment of children who have asthma and patients with Parkinson's disease.



### Education

Residents and fellows from the department of physical medicine and rehabilitation of Columbia-Presbyterian Medical Center come to this Department two half days a week as part of their clinical training. Dr. Antonio Cocchiarella participated this year and it is arranged that after his training is completed next year he will become a part-time member of the staff. Regular weekly conferences were held for the therapists which included lectures by Dr. Yue and discussions of various diseases and treatment techniques. These were enriched this year by the participation of members of other departments who, on invitation, lectured on various subjects: Dr. Richard D. Kittridge on X-rays of the Low Back; Dr. Robert E. Zickel, Orthopedic Aspects of the Low Back; Dr. Robert W. Schick, Neurosurgical Aspects of the Low Back; Dr. Clayton R. DeHaan, Management of Hand Injuries; Dr. Harry Bartfeld, Arthritis and Allied Conditions.

Instructions were given to student nurses in the teaching of crutch walking and ambulation to orthopedic patients. The Department co-operates with the Emphysema Clinic in the teaching of exercises to their patients, and therapists continue to visit the orthopedic wards to treat patients in that division.

New York University now sends its junior physical therapy students to this Department for clinical training. This not only has proved stimulating to the staff but is a potential source for recruiting well-trained therapists in the future.

### Staff Activities

Miss Evelyn Ekerold, chief physical therapist, resigned and Mrs. Doris Lambert was promoted to this position. Due to the increase in the patient load at the Convalescent Hospital, Mr. Steven Gaunya joined the physical therapy staff there. Negotiations have been completed for Dr. Robert A. de Napoli to act as a consultant in electrodiagnosis for the Department on a half day per week basis next year. Mr. Ernest Traber, prosthetist from the Institute for the Crippled and Disabled, continued to take care of brace and prosthetic needs.

In June, Dr. Yue attended the Ninth International Congress of the International Society for the Rehabilitation of the Disabled in Copenhagen, Denmark, and in August, the annual meeting of the American Academy of Physical Medicine and Rehabilitation in Dallas, Texas, where he was appointed to the committee on equipment and facilities of the Academy. He lectured on problems in prostheses and braces to the basic science course for orthopedic residents at the Medical Center, and on the musculoskeletal system in the course entitled Medical Aspects of Disabilities and Rehabilitation, at Teachers College.

The Department is grateful to the volunteers for transporting patients to and from the Department, particularly those who have been in regular attendance, Mrs. Dahlquist, Mr. De Castro, Mrs. Keyser, and Mr. Twyeffort.

# Psychiatry

John M. Cotton, M.D., Director

**F**or the Psychiatric Service, 1963 was a busy year. The most significant major change was the increase in the number of in-patient beds to thirty-five from the original twenty-nine. The Occupational Therapy was moved to another area of the Hospital with more room and better facilities. There has been an increasing interest in the activities of the Community Psychiatry Division and its personnel has been considerably strengthened. Members of the attending staff and members of the resident staff are taking part in an increasingly large number of clinical research projects.

The In-patient Division admitted 473 new cases during 1963 and had a total of 10,223 patient days. The average length of patient stay in the Hospital continued at twenty-one days. The Service is operating at approximately 92% of occupancy. Dr. Arthur Livingston has joined the Staff as Assistant to the Director for in-patient care and has supplied strong leadership to the young resident staff.

*Psychiatric Clinic* As pointed out in previous progress reports, there has been in recent years a marked increase in the number of new patients being referred or coming to the clinic. This trend continued during 1963 with 766 new patients referred or "self-referred" for evaluation and/or treatment, an increase of 28 per cent over the previous year. The figures for the past four years are as follows:

1960	350
1961	411
1962	597

In spite of this increase in the number of patients screened, the waiting list for treatment at the end of the year numbered only 12. In large part this reduction in the waiting list is due to the combined efforts of Social Service and administrative personnel. Patients who

do not need a low-cost clinic or who can be treated by family agencies, etc., are referred early to the proper facility. In addition, close contact has been kept with the patients on the waiting list in order to weed out those who have found treatment elsewhere or who are no longer interested. Many of our applicants have applied to several clinics simultaneously and the retention of such patients on our rolls after they have been accepted elsewhere gives a false picture of the total patient waiting list. Group therapy continues to play an important role in providing treatment for a larger number of patients than could otherwise be cared for in individual treatment.

The space problem will be relieved somewhat when a room in the Community Psychiatry suite becomes available to the clinic for group therapy. The room in Clinic K presently used for this purpose will be partitioned to provide two offices, and it is hoped that a third office will be made available from the Pediatric Clinic.

Additions to the Clinic staff during 1963 were as follows: Dr. Ernest Wacker, Dr. Willard Kahn, Dr. Thomas Craig (assigned to Dr. Balser), Dr. Cecilia Karol.

*Department of Child Psychiatry* During 1963 the Child Psychiatry Clinic continued to provide diagnostic treatment and consultation services to the community and to the Hospital, and introductory training to the general psychiatry residents. As a result of additions to the staff, we were able to provide a more complete consultation service for the Department of Pediatrics and to provide more therapy time for patients.

The most significant feature of the past year was the receipt of A.M.A. training accreditation for the Division of Child Psychiatry, which made it possible once again to begin accepting applications for approved training to qualified persons in Child Psychiatry.

Dr. Earl Loomis rejoined the staff as an attending psychiatrist and supervisor in July, 1963. Dr. Donna Childs was added to the staff in September, 1963 on a half-time basis, and Dr. Victor D'Arc joined the staff as an attending psychiatrist upon completion of his residency in July, 1963. Dr. Frank Curran continued to be active as a supervisor and attending psychiatrist with the clinic during 1963.

Mrs. Victor Gardian has remained as the chief psychiatric social worker. Mrs. Roy Lockwood resigned and was replaced by Mrs. Joseph Papp.

During 1963 the Child Psychiatry Clinic continued to work closely with the Riverside Church Nursery School, the Adolescent Clinic at the Riverside Health Center and with the various schools and other social agencies in the area. In addition, both Dr. Wiener and Dr. Loomis were instructors in the post-graduate course in Child Psychiatry offered to general practitioners and pediatricians by the New York Academy of Medicine.

121 applications for service were made to the clinic during 1963 and 48 were carried over from 1962 to a total of 169. Of this number, 31 were requests for in-patient consultations. During 1963, 88 cases were closed and 41 patients were removed from the waiting list due to change in statistical reporting procedures, leaving 40 patients carried over to 1964. Of these, 18 were receiving either individual psychotherapy, casework or drug therapy and 22 were in the process of evaluation and/or awaiting final disposition.

*The Department of Community Psychiatry* has been undergoing some reorganization in the past year. It has been removed from the City Health Center and is now housed in the Hospital. Dr. Henriette Klein has assumed a supervising consultant role and we are aggressively looking for a new director.

This Department will continue to be an active liaison group for keeping the Department and the Hospital in close contact with the Community.

*The Residency and Training Program* continues to be very active. There are eight residents, two Fellows in Child Psychiatry and four trainees under the General Practitioners' Training Program. A very full training program and a rich series of formal presentations by guest speakers continues to be an outstanding feature. There continues to be a large number of applications so that we have been able to be quite selective in all appointments.

*Research* Dr. Balser and his Staff continue the special research program of preventative psychiatry in secondary schools. They are actively working in six private and secondary schools in New York City.

Drs. Bucove and Levitt are carrying out a special follow-up study of cases treated in one year in 1959. The study is financed by a special hospital research fund.

Dr. McCormack is engaged in the study of "Peripheral Blood Morphology in Treated and Untreated Schizophrenia," in conjunction with Dr. Faeve at the N.Y.S. Psychiatric Institute.

Dr. Arnold Bucove presented a paper "Post-partum Psychosis in the Male" at the New York Academy of Medicine, which is being published in the Bulletin of that organization.

# Radiology

Nathaniel Finby, M.D., Director

**D**uring 1963, we were able to fully integrate the major divisions of the St. Luke's Hospital Radiology Department. Diagnostic Radiology was divided between Clark III and Scrymser VIII and Radiation Therapy between Clark III and Woman's Hospital. A report on Radiation Therapy by Dr. L. M. Liegner follows this report.

## Patient Care

The Clark III Radiology Department is prepared to examine patients at any time during the day or night. Indeed, examination of patients from the Emergency Room and emergency studies of hospitalized patients require active technical and medical supervision, not only during the usual working day, but also during nights and week-ends when other staff personnel are usually held to a minimum.

The trend toward increased Emergency Room activity and the possibility of a further increase in the numbers of acute problems from an active ambulance service as proposed by the Commissioner of Hospitals, warrants consideration of constant full staffing of the hospital without regard for time of day, week-ends or holidays.

The Clark III Radiology Department has completed the first stage of its modernization. There has been a definite improvement in flow patterns for the care of patients as a result of the construction of a new waiting room which serves as the nucleus for information and traffic flow in this area. The second stage will move the Radiology File Room from its rear location to a new area near the main corridor. Patient care will be markedly improved since the large volume of traffic to and from the File Room will no longer be through an area for patient roentgenography.



The Scrymser VIII Radiology Department continues to function efficiently for the examination of private patients and all patients requiring special radiographic procedures. Despite the handicap of limited space, this area is able to function efficiently on an appointment schedule. Liaison is closely maintained with the Clark III Radiology Department and with the Radiology Department File Room. Consultations are possible in both areas with attending radiologists.

The possibility of television liaison between Clark III and Scrymser VIII Radiology Department is now under study.

### **Personnel, Education and Research**

Resident training in Radiology has emphasized the active participation of residents in major intra- and extra-departmental conferences. The most rewarding conference has been held in conjunction with the Department of Pathology as a weekly Radiology-Pathology Correlation Conference. Portions of these conferences are published regularly in the New York State Journal of Medicine as "Radiology-Pathology Correlation Conferences of St. Luke's Hospital," edited by Dr. Nathaniel Finby and Dr. Charles F. Begg.

The *New York City Combined Residency Training Program* is sponsored by the Directors of Radiology at Memorial Hospital, Roosevelt Hospital, St. Vincent's Hospital, Mount Sinai Hospital and St. Luke's Hospital. This program utilizes the best teaching talent at these hospitals for weekly training seminars in diagnostic and therapeutic radiology. In addition, an active affiliation with the Radiology Department of The College of Physicians & Surgeons is enjoyed by various attendings and residents on our staff.

Special roentgenographic procedures require special skills, training and teamwork. The policy of our department encourages the active use of these diagnostic techniques for patient care and evaluation. Our resident training program stresses the active participation of the radiologist in these procedures.

During 1963, major research efforts resulted in the presentation of a paper on "Dissecting Aneurysms of the Aorta" by Drs. Hemley, Kanick, Kittredge and Finby at the American Roentgen Ray Society

Meeting in Montreal and the presentation of a paper entitled "Skeletal Manifestations of the Marfan Syndrome" by Drs. Wilner and Finby at the American Medical Association Meeting in Atlantic City.

#### **Equipment and Statistics**

We have continued to replace obsolete radiographic equipment and have become more efficient in the use of the complicated roentgen techniques using image intensification, movie film and multiple exposures. We have developed the teams and teamwork essential for the proper integration of pressure injection devices, rapid sequential film exposures, electronic monitoring and high energy radiation necessary for the newer specialized roentgen techniques, particularly those opacifying the heart and great vessels of the body. Cineradiographic and tomographic apparatus is now available in both major divisions of our department.

Special roentgen equipment was installed for the diagnosis and care of patients at the Convalescent Hospital Division of St. Luke's.

#### **Future Projects**

Our department continues to be active in the study and development of roentgenographic contrast media. Research at St. Luke's Hospital has already aided in reducing the untoward affects of the injections for study of the kidneys and cardiovascular system and it is hoped that further refinement can be accomplished.

Television monitoring of intravascular and intracardiac catheters and special cineradiographic studies of micturation in children should be completed during the coming year.

## **Radiation Therapy**

Leonard M. Liegner, M.D., Chief

A most important development in the radiation therapy section has been the replacement of the cobalt 60 source in the therapy machine. The latest cobalt replacement occurred in February 1963. This was the third replacement source for

St. Luke's Hospital. The entire machine was overhauled including new shutter mechanisms. Radiation Chambers were designed for the therapy head. This permits irradiation of biological materials. Our therapy machine with this unique radiation chamber is the only one of its kind in the world. The new source has a radiation output more than doubled that of the previous sources. The present source is sufficiently radioactive to be useful for 10 years. Previous sources were replaced in three and six years. Less frequent replacement results in large savings to the hospital. The more powerful source results in shorter treatment times, permitting a larger case load.

The Radiation Therapy Section and the Radioisotope Service are scanning the brain, liver and pancreas with radioactive tracer drugs. It is possible to delineate tumors in these organs by this method.

#### Research

The Radiation Therapy Section has presented various scientific papers and exhibits. A scientific exhibit entitled *Cobalt 60 Roentgenograms* was shown at the annual meeting of the American Roentgen Ray Society held in Montreal, Canada. A paper by the same title was also given. A second exhibit entitled *Radon and Radioactive Seed Volume Implant for Extensive Recurrent Pelvic Cancer* was shown at the annual meeting of the Radiological Society of North America in Chicago. A scientific paper on the same subject was presented and will be published in the *Journal of Radiology* in June of 1964. A paper entitled *Cobalt 60 Treatment of Bladder Cancer: Palliation or Cure?* was published in the *Journal of Urology*. A paper entitled *Calibration of Glass Rod Radiation Dosimeter* has been submitted to the *Journal of Nuclear Medicine* and will be published.

#### Personnel

The Radiation Therapy Section suffered a great loss when Dorothy Cipresso, its Cobalt 60 nurse technician died in December, 1962. Mrs. Cipresso was highly regarded and gave an extra measure of comfort to patients even though she herself was a victim of cancer. In the interim Mr. Henry Liegner, an oldster recalled from retirement has

done an outstanding job as the Cobalt 60 technician replacement. In the latter part of 1963 the section employed Miss Audrey Stevens as Mrs. Cipresso's replacement. The high standards of her British training especially qualify her for this job. The mainstay of the department has been Mrs. Frances Ellis, nurse in charge. She has been invaluable to us in the care and treatment of patients as well as in follow up and research activities. Mr. Normand Michaud was radiation physicist for the department since 1954 and effectively served the Radiation Therapy Section. He is now currently working at Meadowbrook Hospital in Long Island as Radiological Physicist. Mr. Morris Hodara has replaced Mr. Michaud as Radiological Physicist. He has been the senior and co-author of publications in the field of radiation measurements. Miss Eleanor Atkins has been responsible for patient reception, bookkeeping and manuscripts. Miss Meta Beck, has loyally served the section for many years as a technician's-aide. Volunteers are rarely considered permanent members of a department. We must include, however, Mr. C. W. Twyeffort as a member of the staff. He efficiently transports patients to the department for treatment. He acts also as our liaison officer throughout the hospital extending his good cheer and fellowship.

As with all other departments in the hospital, the Radiation Therapy Section, likewise suffers from a shortage of adequate working space. It is hoped that more space will become available for the adequate management of the ever-increasing patient load.

# Surgery

Harold A. Zintel, M.D., Director

The year 1963 was one of both consolidation and progress into new fields of surgery. The efforts of all members of the Surgical Service have been directed toward improved patient care, as well as toward teaching and research. Six important developments during the year included: 1) the admission of the first patient to the Intensive Care Unit on Minturn IV on January 14, 1963, 2) the performance of the first renal homograft at St. Luke's Hospital, 3) the division of the surgical administrative responsibilities into clinical services and research, 4) the rotation of the surgical house staff through the surgical specialties, 5) a monthly tumor seminar in conjunction with the Medical Service and the Tumor Committee of St. Luke's Hospital, and 6) a weekly closed circuit color telecast of operations from the operating room.

The Intensive Care Unit, after one year of operation, has admitted 904 patients, all of whom were acutely ill and who received the most modern medical and surgical care in the preservation or prolongation of life. Under the direction of Dr. Hugh F. Fitzpatrick, in association with Dr. Louis S. Blancato of the Anesthesiology Department and Dr. Myron Wright of the Medical Service, the Intensive Care Unit has proven invaluable in the care of patients so ill that they might not have survived on the wards and private floors of the hospital. Medical and surgical patients, male and female alike, are admitted to this unit, where close observation and professional care by all departments of the hospital are readily available. This unit represents the single most important advancement in the care of our patients during 1963.

Organ transplantation has been an important development in the field of surgery in 1963. Dr. Harold A. Zintel, assisted by Dr. Robert E. McCabe, has been extremely active in the basic research neces-

sary for a successful clinical program in organ transplantation. Although the first renal homograft performed at St. Luke's Hospital did not appreciably prolong the patient's life, it is anticipated that we will enjoy a success in this field comparable to other workers about the country.

As the service has expanded into other fields, the administration of the house staff activities and the research projects have increased to such an extent that it was necessary to separate these two aspects within the department. Dr. Hugh F. Fitzpatrick was placed in charge of the research laboratories as assistant to the director. New offices were prepared and decorated on the tenth floor of the Clark building so that the numerous investigative projects might be adequately and closely supervised. Dr. Robert E. McCabe assumed the administrative aspects of the clinical program and has occupied the General Surgical Service Office on Stuyvesant II. Such division of responsibilities has promoted smooth operation of the Surgical Service and has facilitated administration of the numerous activities of the department.

Lack of experience in Orthopedic Surgery and Urology has long been one of the important deficiencies in the house staff training program. With the present group of house staff, rotation through these surgical specialties was initiated in July of 1963. The opportunity to observe these specialties in operation has been well appreciated by the members of the house staff who have been assigned to these services on a temporary basis. This rotation has rounded out the General Surgical program, so as to meet the demands of private practice in other areas.

In conjunction with the Tumor Committee of St. Luke's Hospital, a series of seminars has been organized for the discussion of various aspects of cancer. These meetings are held once a month and are designed as open discussions of one particular problem related to cancer. Authorities in the field have been invited as participants. These seminars are open to all members of the Medical and Surgical staffs, as well as to the public and have represented a real contribution to improved teaching in 1963.

Of equal importance in advancing the educational opportunities



at St. Luke's Hospital, has been a weekly closed circuit telecast of an operative procedure each Friday morning. Under the direction of Dr. Charles Schettlin, and narrated by a member of the surgical house staff, these telecasts have been well attended by non-professional staff, nurses, and members of the medical and surgical staffs. Alterations in the television equipment, plus new units in Sunderland Auditorium, have made these telecasts possible.

We regret the loss of Dr. William H. Berry, who died on October 6, 1963. Dr. Berry came to St. Luke's Hospital in 1930 and remained active on the ward services throughout his career at St. Luke's Hospital. During World War II Dr. Berry was the officer in charge of one of the two operating rooms in the Second Evacuation Hospital (St. Luke's Unit) and was assigned overseas from September, 1942 to October, 1945. His abilities in handling the difficult gynecological problems will be missed by all members of the surgical staff.

Dr. Harold A. Zintel completed another film for the Motion Picture Committee of the American College of Surgeons entitled, "Diagnosis and Excision of Pheochromocytoma." This film was shown at one of the cine clinics of the American College of Surgeons Clinical Congress held in San Francisco during October and November. Dr. Zintel's film, "Pancreaticoduodenectomy and Portal Vein Resection for Carcinoma of the Pancreas" was re-shown during that meeting at popular demand and for this film Dr. Zintel received a special Certificate of Merit.

In spite of the Screening Clinic, which was established in 1962, the emergency room visits increased from 50,085 to 53,556. Approximately one-third of these 53,556 visits were estimated to be for surgical conditions. It is apparent, therefore, that 1) the Emergency Room is becoming an increasingly important aspect for the care of patients at St. Luke's Hospital and 2) that the surgical service renders service to a very large proportion of these patients. The facilities are completely utilized and any further increase in the patient load may well require expansion of not only the existing facilities, but an increase in the surgical staff assigned to the emergency room.

The recent efforts of the City of New York to have all voluntary hospitals operate ambulance services may well overburden our emer-



gency room facilities, and indeed, will over-crowd the ward facilities which during 1963 have enjoyed a near capacity occupancy rate. We recognize that an ambulance service would improve house staff training in the management of the acutely injured patient; however, the disadvantages of such a service might well outweigh the few benefits accruing from a more active trauma service.

Continued efforts in the field of research have resulted in the publication of ten papers by various members of the department and 52 presentations, lectures, and formal discussions. Although the total number of publications in 1963 was considerably less than those for the year 1962, the basic work in the laboratories has increased significantly. More funds for research have become available and it is anticipated that the current work load will result in a larger number of publications and projects in 1964.

In 1963 Columbia University College of Physicians and Surgeons gave several new faculty appointments to members of our surgical staff and gave advancement in rank to several other members.

Dr. W. Graham Knox was elected to membership in the Society for Vascular Surgery in 1963 and, in addition, was also elected Treasurer of the New York Surgical Society.

In 1963 there were 7,865 operations performed in our Operating Rooms, compared with 7,225 in 1962. Of these, 4,565 were done by the General Surgical Service, an increase of 209 from the previous year. Operations performed in the Surgical Out Patient Department totaled 310 and in the Surgical Out Patient Clinic there were 19,647 patient visits. There were 2,252 patients seen in the regularly-scheduled follow-up clinics.

#### **Ward Services**

The occupancy rate of the ward services during the first half of 1963 was lower than in previous years but with increasing efforts on the part of the present house staff, the ward services subsequently enjoyed a very high occupancy rate and a much more rapid turnover in patients, thus the patient days for the years 1962 and 1963 were quite similar. This has been fortunate as each member of the house staff thereby had a greater variety of patient material and a proportionate increase in his over-all experience. Indeed, during the second

half of 1963 patients often had to wait a week or more before a bed became available for diagnosis and treatment. An interesting trend in patient distribution has been the gradual increase in the number of male patients admitted to the ward services over the past two years and it is now necessary that some of the beds on Stuyvesant 6 and Stuyvesant 7 be allocated to male patients; formerly, these beds were occupied almost entirely by females.

No important changes were made in the physical organization of the two surgical services in 1963. The number of house staff assigned to each service remains at seven for the A Service and six for the B Service. All pediatric patients are still admitted to Clark 7 under the care of the A Surgical Service. The attending coverage for the A Surgical Service was also unchanged. Dr. John P. West has remained as senior consultant to the A Service. Drs. W. Graham Knox, Charles F. Schetlin, and Engel P. Hevenor have each served a four month rotation as responsible attending. Dr. Edward Stanley-Brown has continued to supervise the care of pediatric surgical cases. Drs. Charles R. Blair, and Robert T. Edmunds have also given their time and assistance to the smooth functioning of the A Surgical Service. Drs. Hugh F. Fitzpatrick, Robert W. Fraser, and Carl S. Oakman again served as responsible attendings for the B Service. They were assisted by Drs. Peter A. Bossart and Robert E. McCabe. Late in 1963 Dr. Malcolm Moley assumed the responsibilities of junior attending of the B Surgical Service. The invaluable consultations with Dr. William Berry, who died on October 6, 1963 after a long illness, were missed by all members of the B Service.

The variety and volume of material available on the ward service has always been a gratifying experience for members of the house staff. We are fortunate to have a large clinic population to support our ward services and there is no immediate or apparent change in the socio-economic status of our ward population to endanger this excellent supply of clinical material for teaching purposes.

#### **Surgical Out-Patient Clinics**

Attendance in the out-patient clinics of the General Surgical Service increased slightly in 1963. There were a total of 19,647 visits to the

regularly-scheduled surgical clinics, of which 13,029 were to the General Surgical Clinic. There was a general increase in the enrollment in the specialty clinics which reflected a demand for increased specialization by our clinic population. Consequently, the total number of visits to the General Surgical Clinic was down slightly from preceding years.

Again, every effort was made to maintain and improve attendance to the Surgical Follow-up Clinic. The follow-up sheet was discontinued in 1963 and the notes incorporated into the regular clinic record, so that continuity of care can be readily followed on an annual basis from the clinic record alone. This, we feel, gives better follow-up to our postoperative patients.

The attending coverage for the General Surgical Clinic remained unchanged during 1963. Drs. Charles R. Blair, Robert Edmunds, Engel P. Hevenor, Peter A. Bossart, and Robert E. McCabe each were assigned as responsible attending on a particular clinic day. These individuals function primarily in an advisory capacity and devote much of their time to instruction of the externs, interns, and assistant residents who handle the majority of cases. All the surgical operative procedures are still approved by the attendings who also render assistance and supervision when required.

Dr. W. Graham Knox remained as attending-in-charge of the General Surgical Clinics of the Out Patient Department. We are fortunate to have Dr. Max Alexander, as well as Dr. Carl S. Oakman and Dr. Peter A. Bossart, as consultants for the Gynecology Clinic. The Rectal Clinic remained under the supervision of Dr. F. Stafford Wearn, assisted by Dr. Malcolm Moley. Dr. Richard B. Stark has remained active in the Plastic Surgery and Cleft Palate Clinics. The Hand Clinic has remained under the direction of Dr. Clayton DeHaan, assisted by Dr. William T. Medl. Dr. Charles R. Blair has continued to follow closely the care of patients in the Surgical Fracture Clinic. Dr. Herbert Parsons, in association with Dr. Robert W. Schick, follows closely those patients who attend the Neurosurgical Clinic. The Pediatric Surgical Clinic has continued to grow under the direction of Dr. Edward Stanley-Brown. The number of visits to this clinic increases significantly each year as more of our young population undergo

surgery in the hospital and have their follow-up care in the Pediatric Surgical Clinic. Again, Drs. W. Graham Knox and Robert E. McCabe, in association with members of the Medical Service, have been active in the Peripheral Vascular Clinic. The Tumor Clinic, initiated in 1961, has seen an increasing number of patients with advanced tumors. We are fortunate to have the support of Dr. Edward Reisner of the Medical Service. Dr. Robert T. Edmunds, assisted by the surgical resident assigned to the research laboratories, has the primary responsibility for the care of patients with tumors in the surgical clinic.

Surgical representation to other general clinics in the hospital are Dr. John P. West in the Thyroid Clinic and Dr. F. Stafford Wearn in the Gastroenterology Clinic.

#### **Residency Training Program**

The surgical residency training program of St. Luke's Hospital has remained one of the more desirable in the New York City area. The house staff have been appreciative of the large volume of excellent clinical material and enjoyed a variety of major surgical procedures in 1963.

In order to give a more rounded training to the resident staff, rotation through the surgical specialties was initiated in July of 1963. Arrangements were made with the Orthopedic Service for each of the second assistant residents to spend three months on the Orthopedic Service, under the direction of Dr. Frederick Thompson. A similar arrangement was made with the Urology Service, under the direction of Dr. John W. Draper, for the third assistant residents. In addition, one resident was able to spend elective time in the Anesthesia Department with Dr. Louis S. Blancato, Director of the Department of Anesthesiology. These rotations have proven extremely valuable to all members of the house staff and represent a real contribution to their over-all surgical experience. The knowledge gained from these departments has been invaluable in improving the care of the patients on the General Surgical Service.

In order that the third assistant residents have more clinical experience and less time in the basic sciences, the rotation through the research laboratories was changed to the second year of the residency

training program. This was also of advantage to the research program because a more mature individual was in the laboratory. The qualities and capabilities of his work thus improved and fruits of this work should become evident with increased grants and publications in 1964.

On July 1, 1963 eight interns joined the Surgical Service. The assignment of one of the surgical interns to the pediatric service was permanently withdrawn. The extra six weeks of each intern's time is now spent on the private service of the hospital.

We were again fortunate in re-establishing the rotation of a Veterans Administration Hospital resident to our Private Service.

Unfortunately, shortly after July 1, 1963 we lost three third assistant residents to the Armed Services. This has severely handicapped the specialty rotation program and has cast an increased load upon the three remaining residents.

#### **Medical Student Teaching Program**

During 1963, 30 of the 118 fourth-year medical students from Columbia University College of Physicians and Surgeons participated in the surgical extern program. These students lived in the hospital for 2-month periods, working on the wards, in the clinics and operating rooms, doing essentially the duties of interns under close supervision. The program, which had been run by Dr. W. Graham Knox for some years, came under the direction of Dr. Robert T. Edmunds on July 1, 1963. In addition to their active participation on the ward services, the students were given a series of lectures on surgical and related subjects. For the most part, the lectures were kept informal and practical in nature, so as to encourage the students to ask questions and relate their information to the active care of patients.

In general, the program has been enthusiastically received and a number of students have applied for internship on the service.

#### **Operating Rooms**

The most important area in any surgery service is the operating room suite. St. Luke's Hospital has always maintained the finest quality in operating room technique, facilities, and personnel. As the com-

plexity and variety of surgery increases, it is mandatory that a dynamic approach be taken in the management of the operating rooms. Numerous changes were initiated during 1963 in order that we might maintain the record of achievement which we have enjoyed.

The ultimate goal of the operating room is three-fold. Primarily, we are interested in maintaining top quality surgery on all patients admitted to the service. Secondly, a vital portion of our program is concerned with the teaching and education of not only the house officers but the operating room staff itself, and finally we must develop new techniques as the field of surgery expands. The management of the operating rooms in 1963 was directed toward accomplishing these goals.

To assist us in this regard we continue to be fortunate in having Miss Louise Barkin, assisted by Miss Hilda Pereira, remain as supervisor of the operating rooms. Of the 21 full time nurses only two replacements were required in 1963. We are appreciative of such loyalty among the operating room staff. The experience of this staff is a valuable asset in the smooth functioning of the operating room suite. Trained personnel are consequently always available to assist in every operation. From the above report it is evident that our operating room staff, in association with the attending staff, strive constantly to maintain the highest quality possible for the St. Luke's patient. Changes and improvements are made as the situation demands, so that this fine quality may be preserved.

In order to practice modern surgery, to minimize infections and morbidity, and develop new surgical techniques, it is necessary to acquire new equipment each year. In 1963 a new heart-lung machine, the latest model, was acquired for heart surgery. Also, a new by-pass pump was donated to the operating rooms by Dr. Alexander Ada. With this new heart-lung machine the surgical service now has two units, one for use solely in the operating rooms and the other as an experimental unit for use in the research laboratories. Thus, the experience gained in the laboratories can be directly applied in the operating rooms. The small by-pass pump finds utilization in the new blood vessel procedures and permits resection of blood vessels without sacrificing function of vital organs.



Plans were formulated in 1963 for remodeling and repainting of the Lyle Operating Rooms, those located in the older section of the hospital. This remodeling and renovation will make them as desirable in all regards as the newer operating rooms in the Stuyvesant Building. As a portion of the remodeling program a 12th operating room will be added so that a greater quantity of surgery may be performed in the future.

Rapid blood replacement in cases of emergency is mandatory for good surgical care. In 1963 a new icebox was placed on the operating room floor for the storage of blood placed on call for preoperative patients. In previous years this blood was kept in the Blood Bank, eight floors below. The delay in getting blood readily has thus been alleviated since blood on call for the operative patient is now stored in this refrigerator on the operating room floor.

Prompt diagnosis of tissue removed at the time of surgery is very often important in the operative management of a patient. In 1963 a new Harris Cryostat was installed for use by the pathologists. With the aid of this equipment, biopsied material may be frozen, sectioned, stained, and examined by the pathologist within a few minutes. The quality of the microscopic sections prepared by this new method is excellent and diagnostic acumen is therefore vastly improved.

We are always interested in better methods of sterilization and aseptic technique. Cold sterilization was discontinued in 1963. Chemical solutions for sterilization are no longer in any of the operating rooms. The use of disposable equipment has made this convenience possible. Disposable catheters, syringes, needles, drains, asepto syringes, applicator sticks, and other equipment as they become available have been incorporated into the current operating room equipment. Not only is asepsis improved but a financial saving has been realized. Steri drapes, a plastic adherent material placed on the skin, have become more or less standard on the ward services and are available for any private surgical case if desired. The use of such steri-drapes has eliminated the use of wound drapes in protecting the wound from skin contamination and obviously results in saving a small amount in the laundry bill.



Disposable paper drapes were tried in 1963 on an experimental basis. Although these would have represented an economy, they were not satisfactory for technical reasons and were not incorporated into the operating room routine.

The teaching program is dynamic and invaluable to all personnel concerned with the operating rooms. The attending staff assist and instruct the house officers in new surgical techniques. Frequently, lectures and demonstrations are available for the operating room nurses. Eight exchange graduates, all trained nurses from foreign countries, spent a profitable year observing and assisting in the Operating Rooms. 1963 was the first time these exchange graduates spent a full year in the Operating Rooms; in prior years their time had been divided equally between the operating rooms and the nursing floors.

For the benefit of the nurses, house staff, and other interested staff members the number of books kept in the Operating Room suite was extended. The latest routines on operating room techniques and surgical procedures are now readily available in the operating room office. It is particularly advantageous for the scrub nurse to familiarize herself with a new procedure before assisting at the operation.

One of the most trying experiences for any preoperative patient is the anxiety preceding anesthesia, and the tenseness associated with an operation performed under local or regional anesthesia. The use of semi-classical or classical music has helped ease the tension among such patients and has made their experience in the operating room a more pleasant one. In 1963 the music was extended into all the operating rooms and the record library was expanded. A volume control in each operating room facilitates regulation of the music and if the patient desires the music may be turned off.

And finally during 1963 plans were formulated to remove the Urological procedures customarily performed on Clark III to the Operating Room Floor. Thus, all general anesthetics will be administered in a single area of the hospital. Technique, asepsis, and supervision of these procedures will be more readily accomplished.

### **Vascular Surgery**

We have continued to widen the scope of diagnostic and therapeutic armamentarium in vascular surgery. Immeasurably aided by detailed and experienced diagnostic angiography from the X-ray Department, the number of arterial reconstructive surgical procedures performed in 1963 was double those performed in any preceding year. A total of 161 arterial grafts were inserted in 1963, in addition to numerous other arterial procedures including embolectomy, intimestomy, and Operating Room direct aortography and arteriography. With this widened experience, the mortality and morbidity rates were significantly lower than any preceding period. The performance in 1963 of reconstructive procedures on renal, carotid, subclavian, and vertebral arteries have increased the versatility of the surgical staff in this newer area of arterioplasmic work.

The Peripheral Vascular Clinic, one of the first formed in New York City (1949), continues to function as the prime source of clinical material for the Teaching Service. A total of 199 visits were recorded for the year 1963, an increase of 17 over the preceding year. Seventy-eight patients, of whom 67 were new or referred, were evaluated. Drs. Knox, Schilling, McCabe, and Cristakis, along with the senior resident staff, composed the personnel in this specialized clinic which meets one morning every other week throughout the year.

It is to be anticipated from reviewing the statistics over the past 10 years that the evident success with, and results from, our vascular surgery will play a continuing major role in our diagnostic and operative clinical surgical teaching program.

### **Pediatric Surgery**

A total of 1,433 infants and children were cared for on Clark VII during 1963. Of this total, 497 patients received general surgical care exclusive of orthopedic and urologic patients. This figure again constitutes an increased patient census over the previous year. Of the pediatric surgical patients, 395 were on ward service, which is now assigned to the Surgical A Service alone. The yearly increases in the number of patients cared for will shortly demand more exclusive

house staff coverage for optimal patient care. As the number of patients increase it will be necessary to assign an assistant resident.

Seven patients died during 1963 of which deaths, five were inevitable but two were classified as preventable.

The Pediatric Surgical Out Patient Clinic was very active with 752 total patient visits, of which 306 infants and children were new or referred to our Clinic.

We shall miss the strong support of Dr. J. Frederick Eagle whose active interest in pediatric surgery has been continually helpful and encouraging. We look forward to working with Dr. Stuart Stevenson as the new Director of Pediatrics with anticipation and confidence.

Again, it is a pleasure to express our sincere thanks to our pediatric nursing staff. Their time-consuming, loving, and skillful care is every bit as important as the actual surgery for the survival of the tiny baby born with a life-threatening congenital anomaly.

#### **Plastic Surgery**

The year 1963 was both busy and interesting for the plastic surgery division of the General Surgical Service. Dr. Hiroshi Washio joined the service in January as a resident surgeon for a period of six months. On July 1, 1963 he received a research fellowship at St. Luke's Hospital and has been doing work on problems relating both to general and plastic surgery. Investigations designed to help solve the homoplastic enigma included work in both renal and pulmonary homotransplantation.

Congenital malformations present interesting and difficult problems. It is now felt that both hereditary and environmental factors play an important etiologic role in the production of anomalies, but evidence points more and more to environment as the factor of greatest significance. Studies of early chick embryos were initiated. It is the purpose of this investigation to observe the effect of ablation of major blood vessels to specific areas, particularly in the region of the head and neck. Technical problems delayed early definitive work, but those have been mostly solved and it is hoped that continuing studies will aid us in understanding the production of congenital aberrations.

Dr. R. C. A. Weatherley-White was appointed resident surgeon in plastic surgery on July 1, 1963. While at the University of Colorado, he initiated work on cleft palate speech. Interpretation of the poor speech demonstrated by the cleft palate child and others has depended in the past upon the individual therapist. Such interpretation varies greatly because of the human element involved and consequently standardization of results in different parts of the country has been impossible. An electronic device has been designed which can distinguish variations in speech. Much work remains to be done, but it is hoped that this, or some similar device, will make it possible to evaluate speech in such a way that results can be easily understood and correlated with results similarly obtained in another geographic area. The benefits which can be derived from such standardization are great. We feel that the project holds great promise.

The study of enhancement of circulation of pedicle flaps and grafts was continued during 1963. There is now conclusive evidence that pretreatment of a recipient area with histamine induced percutaneously by iontophoresis before transfer of a flap or graft, so increases the local circulation that the likelihood of survival of the flap or graft is significantly increased and complications are diminished. A report of this work advocating its clinical application is now in press.

This work has been extended to the study of young animals. It is known that a hemangioma or arteriovenous fistula present in infancy can so increase the circulation to a part that a disproportionate growth of the part can result. We are interested in knowing if augmentation of the circulation to a part by artificial means will accomplish the same end result. If disproportionate growth can be demonstrated, it may well have great clinical importance since it might then be possible to accelerate the growth and development of a part which was hypoplastic at the time of birth.

For the past nine years the posterior pharyngeal flap has been used as a primary palate lengthening procedure. This is performed at the age of one year in conjunction with the palatal repair. We feel that adding length and dynamic musculature to the palate before the onset of speech significantly reduces the number of imperfect speak-

ers and is superior to retroposition operations which are sometimes ineffectual.

A report of this clinical work was made at the Third International Congress of Plastic Surgeons held in Washington, D. C. in October. Because of the consistently good speech results obtained, we feel that we are justified in continuing the use of the pharyngeal flap at the time of primary palatoplasty.

Dr. Stark acted as chairman of the program committee for the Third International Congress of Plastic Surgeons held in Washington, D. C. in October. In the weeks preceding and following this meeting, the Department of Plastic Surgery played host to many surgeons from all over the world. This gave a broad opportunity for an exchange of ideas which we feel was beneficial to all concerned.

The Robert Abbe Laboratory for plastic surgical research was opened in February 1963 providing a pleasant and larger area in which to carry out our research program. Adequate facilities are available for storage of records and equipment, a photograph library, and conferences, in addition to a sizable working area.

There has been a slow, but steady increase in patient visits in both the cleft palate and plastic surgery clinics, as well as the hand clinic. This has provided ample and varied clinical material for the residency training program. We anticipate a continuing increase in the future.

#### **Surgical Research Laboratories**

In 1963 several new research projects were undertaken and work continued on others started in the previous years. While conducting this work, there were 218 major operations performed and 138 minor operations.

In order to facilitate the direction of the laboratories, Dr. Hugh F. Fitzpatrick moved to a new office on Clark 10, and as Assistant to the Director of Surgery in Charge of Surgical Research, it is felt that this move would help personalize the supervision of the personnel in the Surgical Research Laboratories and better coordinate the various research projects. During the year, weekly conferences were held on activities of the Surgical Research Laboratories and were

presented by the residents actively engaged in such research. These conferences are planned as a definite part of our teaching program and from those thus far held, they have been received as a very worthwhile and popular session. Sessions presented during the year including the following: Lung Transplants, Plastic Surgery Research Projects, Urology Research Projects, and the Use of Mannitol in Surgery, and Organ Transplantation.

The following are outlines of some of these specific projects in active process during the year 1963:

*Renal Organ Transplantation* Organ transplantation has received much interest and enthusiasm by many centers throughout the United States and is a new and exciting field in surgery.

The development of transplantation, now in its infancy, is in the same stage as open heart surgery was a decade ago. Drs. Zintel, McCabe, and Washio have been very active in the laboratory with organ transplantation. Although their interest has centered mostly around kidney transplants, which have the greatest clinical application, they have also been interested in transplants of the spleen and lung. Dr. Zintel, assisted by Drs. McCabe, Washio, Moley and the surgical resident assigned to the laboratory, routinely perform two transplants per week and are currently investigating various combinations of immuno-chemical suppressive agents. The discovery of these agents has made clinical transplantation a reality. Other problems related to transplantation include improved methods of suppressing the immune response, perfecting techniques of organ procurement and preservation, and finally altering surgical technique in such a way that the physiological potential of the transplant is preserved.

Dr. Zintel and his co-workers have been using Azathioprine (Imuran) in conjunction with Azaserine, Actinomycin C, and Prednisolone in the hope of achieving tolerance to the foreign organ. Some success has been obtained in this regard.

Dr. McCabe and Dr. Nay and others, as a result of their work with regional lymph node ablation, have been interested in a physiological lymphadenectomy through multiple injections of radioactive



ethiodol directly into the lymphatic channels as a method of altering the immune response.

In organ preservation, Drs. Zintel, McCabe, and Guthrie are working with hypothermia in combination with proteinase inhibitors. This work is being supported in part by FBA Pharmaceuticals, Inc. Alterations in enzyme systems during rejection crises have not been well evaluated and this work is currently receiving attention.

Drs. Fitzpatrick and Washio are studying the physiological changes which occur in lung transplants as a result of the operative procedure itself and hope to ascertain what aspect of the surgical procedure is responsible for the loss of function following lung-reimplantation.

As a result of the work in the laboratories during 1963, we feel strongly that transplantation will play a prominent role in the care of St. Luke's Hospital patients in future years. Progress has been made as a result of the basic research initiated in 1963. As more funds become available, it is anticipated that we can investigate other aspects of transplantation and indeed, perhaps, engage in basic research into the immunology of organ rejection.

*Experimental Study of the Formation and Treatment of Esophageal Strictures Secondary to Lye Burns* Stimulated by the continued incidence of esophageal stricture secondary to accidental lye ingestion particularly in children and aided by a grant-in-aid from the National Institutes of Health, Drs. Zintel, Knox, McCabe, and Howard are conducting a year-long study on the effect of bouginage and steroids in acute corrosive esophagitis. In this experimental study an esophageal burn is produced under uniform conditions in a segment of the dog's esophagus. A series of control dogs will be observed for at least six months to document the immediate and late results of the burn. In a second group of animals the esophageal lye lesions will be treated by frequent dilations by bougie passage. A third group of animals will have the esophageal burn and stricture treated solely by steroid therapy. The last group of dogs will be subjected to treatment by a combination of bouginage plus steroid therapy.

A careful comparison between the control animals and the various modalities of treatment of the esophageal lesion should yield new and important information as to the best mode of treatment.



*Surgical Bacteriology* An extensive study in evaluating current and new skin germicides is presently being conducted by the Surgical Service and the Department of Bacteriology. Detailed, quantitative analyses under environmental conditions are being conducted on 150 surgeons' hands and 150 patient operative skin sites, employing at least three different germicide compounds and varying modalities of surface skin culture techniques. It is anticipated that this painstaking study will do much to elucidate the many conflicting reports on the many skin germicides and surgical scrub techniques currently in operational use. It is planned to complete the most exhaustive study yet carried out by any investigator. Initial experience indicates that this goal will be achieved.

Drs. Harold Zintel, Graham Knox, Marion Wilson, and Charles Begg are collaborating on this endeavor aided by Mr. Hugh Frick and Miss Phyllis Bass who will conduct the laboratory work involved.

*The Effect of Portacaval Transposition on Renovascular Hypertension in the Dog* Dr. David Schwartz, one of our surgical interns, with Drs. Zintel and McCabe, is currently performing portacaval transposition in normotensive dogs, and plans to later occlude one of their renal arteries (partially). Portacaval transposition alone has produced no effect on arterial blood pressure in each of five dogs to date. Three dogs have been made hypertensive by unilateral renal artery constriction, portacaval transposition will be performed in these dogs at a later date. It has been hypothesized that the shunting of renal venous blood directly through the liver can restore the normotensive condition in these animals due to a greater rate of inactivation of angiotensin II produced in the "Goldblatt" kidney, by angiotensinase, an enzyme produced in the liver and released into the plasma.

In order to test this hypothesis directly, the rise in blood pressure from an injection of stat doses of 5 micrograms and of 2.5 micrograms of angiotension (CIBA®) into the femoral vein of a dog six weeks post portacaval transposition was compared to the rise in arterial blood pressure from injection of the same dose into the vein of the anterior limb. In this preparation the femoral veins feed into the hepatic portal system in this dog, while portal blood from the

intestines bypasses the liver via the inferior vena cava and feeds directly into the general circulation via the right atrium. The rise in blood pressure from femoral injection was significantly less in intensity and duration than from injection into the systemic circulation. This preliminary experiment supports this basic hypothesis.

*Open Heart and Cardiovascular Surgery* During the year, a new disc oxygenator of the very latest design was obtained and many open heart procedures were performed in the Surgical Research Laboratories in an effort to train personnel in the use of this new heart-lung machine. Miss Louise Barkin and her operating room staff have been particularly helpful and cooperative in these efforts. In the near future Miss Barkin and her staff will maintain, assemble, sterilize, etc., our new heart-lung machine in the operating room area. Studies were continued on dogs to evaluate the role of prosthetic heart valves as a substitute for abnormal diseased cardiac valves. Prosthetic mitral valves of the Starr Edwards type were implanted as mitral replacements and new ball valves, the so-called "sutureless" valves of the Magovern type, were inserted as aortic valve substitutes after resection of the aortic valve. During the year, a second, new oxygenator system, consisting of a disposable, plastic, artificial lung was investigated, used and evaluated. Its great advantage is that it requires no blood prime before undertaking an open heart procedure. With this type of disposable oxygenator, we are now in a position to use, on an emergency basis, the experience accrued during the year in the laboratory. Such an application for this "ready-to-use" oxygenator, requiring no blood prime, would be for an emergency pulmonary embolectomy, as well as for elective open heart procedures for acquired and congenital heart lesions. During the year, Dr. Alexander Ada provided the monies necessary to obtain a small, efficient, compact pump which can be used at a moment's notice for bypassing the thoracic aorta, a situation arising in the surgical treatment of aneurysms of the thoracic aorta when a bypass is inserted between the left atrium and the femoral artery. No oxygenator is used in this system, but we are most grateful to Dr. Ada for providing a very efficient and compact pump for this purpose. During the year, Dr.

West conducted a number of studies in the laboratory using this new pump. Dr. Paul Morton provided money for the purchase of several costly prosthetic heart valves and this is greatly appreciated.

In 1963, Dr. Howard Nay and Dr. Hugh F. Fitzpatrick completed their study on the evaluation and feasibility of using composite autogenous vein grafts for the construction of a portacaval shunt from the inferior vena cava to the superior mesenteric vein or the portal vein. Their work shows that these grafts work very well and prevent the undesirable sequela of inferior vena cava ligation when the usual type vena cava to superior mesenteric vein shunt is done. They were able to apply this technique on patients with gratifying results.

During the year, Dr. William Reid and Dr. Hugh F. Fitzpatrick continued their study on the comparative effectiveness of locally instilled arterial Fibrinolysin and dissolution of experimental arterial thrombosis with intravenous administration of the drug. These studies show quite clearly that the local arterial administration of this drug is far more efficacious and much safer than the systemic or intravenous administration of the drug.

*Gastric Freezing* In 1963, Drs. Rosenthal, Blair and Fitzpatrick conducted additional studies of gastric freezing on dogs and again were alarmed by the fairly consistent observation that this technique induces rather severe generalized damage to the mucosa of the stomach. It was felt from this experience that no clinical application of this technique was warranted on patients at our hospital. Although gastric hypothermia for gastrointestinal bleeding has proved very efficacious on occasion, we have not as yet "frozen" a stomach for peptic ulcer disease.

*Clinical Drug Evaluation Program* During 1963 the Surgical Service continued to participate in the Clinical Drug Evaluation Program. Investigators headed by Dr. Harold A. Zintel included Dr. Robert T. Edmunds and Dr. Charles F. Schetlin from the General Surgical Service and Dr. Edward H. Reisner from the Medical Service.

St. Luke's Hospital is one of 67 hospitals in the country participating in this program which is supported by the National Institutes of

Health, National Cancer Institute, and Cancer Chemotherapy National Service Center.

At St. Luke's Hospital and in the past 12 months, 35 patients were treated with cancer chemotherapeutic agents as in-patients or in the Chemotherapy Clinic. The drugs used included: 1) AB-132, 2) 5-Fluorouracil, 3) Mitomycin C, 4) 6-Mercaptopurine, and 5) Chlorambucil. Temporary objective improvement, i.e., decrease in actual tumor size was noted in some patients and an even larger number noted symptomatic improvement. In 1964 additional chemotherapeutic agents including Hydroxyurea will be evaluated.

Beginning in January, 1964, the Surgical Service will be one of the 44 hospitals which will participate in the Gastric Adjuvant 5-Fluorouracil Study. Patients with gastric carcinoma will be treated with 5-Fluorouracil and gastric resection. The survivors will be followed for at least five years.

Through these investigative programs we are able to obtain the last minute information regarding cancer chemotherapeutic agents, from any research laboratory or clinical study in the country. Through this same program, for unusual patients, we can obtain chemotherapeutic agents, not yet released for nation-wide clinical investigation.

During the year Miss Rae Morse, after several very faithful years in the Surgical Research Laboratories, assumed a new position in charge of the Tumor Registry in the hospital. This new position is a very vital one and one which fulfills a need that has existed for some time and should implement considerably the exact records, statistics, and follow-up on all cancer patients in the hospital. Her position in the Surgical Research Laboratory was taken by Mrs. Irma Dobbs. We are grateful for the capable secretarial assistance of Miss Renate Lerch and Miss Gloria Massias. The continued cooperation of Mr. Wilbur Herring, Mr. Edward Carney, and Mr. Norman Glassberg during the year is appreciated. During the year the renovation of the Surgical Research Area was completed and the new laboratories were occupied. This has provided us with additional space in the laboratories and has enabled us to accelerate our research endeavors. During the year, the Urology Service was increasingly active with projects in the Surgical Research Laboratories. It is hoped that with further renova-

tions, providing us with more operating room space, that a still further increase in the number of animal operations will be possible, thus permitting the initiation of new research projects.

### **Radiology**

Close collaboration between the Departments of Radiology and Surgery have permitted continued progress in the development of methods for diagnosis and treatment of surgical diseases. Specialized radiographic techniques related to the cardiovascular system, especially aortography, nephrotomography, and cineangiography continued to attract primary interest. Special efforts have been developed to improving diagnostic acumen in lymphangiography and cineradiographic studies of the cervical spine. In conjunction with the Surgical Service a special post-cholecystectomy study of the common bile duct was embarked upon in 1963. All patients subjected to cholecystectomy are studied postoperatively by intravenous cholangiography so as to ascertain any changes which might occur in the common bile duct following the operative procedure. Cineradiography equipment which was previously located only on the 8th floor of the Scrymser Building has now also been installed in the X-ray department located on Clark 3. With this increase in equipment the number of special X-ray studies which can be performed in a single period has been greatly increased and thus better service is available to the St. Luke's Hospital patient.

### **Nursing Service**

Good nursing care is very important in the pre and postoperative care of any surgical patient. We were fortunate to retain all the Head Nurses on the Surgical Service during 1963 with one exception; Miss Caroline Miller, Head Nurse on one of the semi-private units, left for a position in a suburban hospital. We have been fortunate to have an excellent group of Head Nurses and Assistant Head Nurses on all the units for several years. Their experience and training have made the care of all patients easier and more complete.

In 1963 the Nursing Service Department obtained authorization from the Nursing Committee of the Medical Board to add antibiotics, electrolytes, and vitamins to intravenous fluids. That the Nursing

Service should have such responsibility is a reflection of the fine quality of nursing care our patients have long enjoyed.

The fluid intake and output sheets were revised during the year and are currently in use on all nursing units. The purpose of the revision is to assist the physicians in obtaining the most accurate record of the patient's fluid balance. A non-allergenic adhesive tape has been made available on all nursing units. More disposable items such as urethral catheters and irrigating syringes, disposable hypodermic needles and syringes are now used on the surgical units. Thus the time and expense of cleaning and sterilizing these items is saved and the nurses are spared this burden. As the workload on the Nursing Service increases it is important to spare the nurses such routines so that more of their time is available for patient care. Soap dispensers have been installed over each sink on the surgical floors so as to improve the hand washing technique of all personnel.

During the month of September three of the surgical units were selected for field experience for graduate nurses working toward a Masters Degree in Nursing from Columbia University.

A new general information and procedure book of the Nursing Service was completed in November and issued to each unit. It is anticipated that this volume, complete with latest information, will serve as a guide and help orient new employees as well as to improve the continuity of patient care.

### Statistics

Part of the activity of the Surgical Service is reflected by the number of patients admitted and cared for by the service. Our total number of surgical admissions has held up well year after year. In 1963 we admitted a slightly higher number of patients than the year before. The general trend throughout the city is toward fewer ward patients, however our ward census is still considerably greater than that of the majority of primary Medical School Teaching Hospitals in the United States. At St. Luke's we have maintained a census of 51.8% ward patients for several years as well as an average of over 2,000 operations yearly on the General Surgical Service. In 1963 the actual total was 2,160. Thus, we continue to maintain a very active ward teaching service of the highest quality.



	Surgical Admissions			
	1960	1961	1962	1963
Ward	2,215	2,033	2,034	2,048
Private and Semi-private	2,136	2,138	2,171	2,145
Pediatrics	456	593	463	504
Total	4,807	4,764	4,668	4,697

	Total number of Operations General Surgery					
	1958	1959	1960	1961	1962	1963
Ward	2,191	1,921	2,113	2,142	2,010	2,160
Private and Semi-private	2,332	2,327	1,897	2,348	2,346	2,405
Total	4,523	4,248	4,010	4,490	4,356	4,565

In addition, in 1963 there were 3,300 surgical procedures performed in the Operating Rooms by the Specialty Services, including 939 in orthopedics, 311 in urology, 1,386 in ENT and 644 in ophthalmology. The total number of operations performed by all services was 7,865. This does not include operations performed in the Operating Room on an out-patient basis, which was 145.



## Surgical Out-Patient Clinics — 1963

### Fracture Clinic

New Patients .....	290
Total Number of Patients .....	386
Patient Visits .....	1,268

### General Surgical Clinic\*

New Patients .....	3,646
Total Number of Patients .....	5,303
Patient Visits .....	13,029

### Gynecology Clinic

New Patients .....	925
Total Number of Patients .....	1,331
Patient Visits .....	2,743

### Rectal Clinic

New Patients .....	275
Total Number of Patients .....	353
Patient Visits .....	684

### Cleft Palate and Plastic Surgical Clinic

New Patients .....	184
Total Number of Patients .....	282
Patient Visits .....	814

### Pediatric Surgical Clinic

New Patients .....	306
Total Number of Patients .....	403
Patient Visits .....	752

### Neurosurgical Clinic

New Patients .....	61
Total Number of Patients .....	112
Patient Visits .....	245

### Hand Clinic

New Patients .....	14
Total Number of Patients .....	32
Patient Visits .....	112

Surgical Follow-Up Visits ..... 2,252

\*Tumor Clinic (Chemotherapy) patients included in General Surgical Clinic

**Autopsy Report — 1963**

Total Number of Surgical Deaths .....	107
Total Number of Surgical Autopsies .....	69
Percentage of Surgical Autopsies .....	64%
The yearly average of 64% compares favorably with the other services of the hospital. However, this is still not a satisfactory average. We hope to increase this percentage during the year 1964.	

**Blood Bank Report — 1963**

Total Number of Transfusions .....	1,121
Total Number of Replacements .....	795
Percentage of Replacement .....	71%

# Urology

John W. Draper, M.D., Director

In the resident training program, arrangements have been made whereby the urology residents, during their period of training at St. Luke's Hospital, will rotate for periods through the Urological Service, Cornell Division, Bellevue Hospital. Surgical residents at St. Luke's Hospital now have the option to rotate through the Urological Service if they so desire.

## Staff Activities

Dr. Russell Lavengood was elected Chairman of the Section on Urology of the New York Academy of Medicine, 1963-1964.

Dr. Draper presented a paper on "The Management of Infections of the Urinary Tract" as guest speaker at the Southern Medical Association Meeting on November 19 and 20th, in New Orleans, Louisiana.

Drs. Draper and Iswariah plan an exhibit on urinary infections at the American Urological Association Meeting in Pittsburgh, Pennsylvania in May 1964 and at the American Medical Association Meeting in San Francisco, California in June.

## Research

A study started late in 1961, of the carcinogenic effects of Beta naphthylamine on the urinary bladders of dogs is being continued. These dogs have had their bladder mucosa replaced by autogenous grafts. Regular cystoscopic examinations and Papanicolaou smears record progress.

The value of aortography in assessment of renal injury is being studied. Kidneys of dogs have been subjected to blunt trauma and aortograms taken immediately after and at intervals of a few weeks. These kidneys are removed at varying periods after injury and further

radiographic studies made before finally preparing corrosion specimens of them. Silastic R.T.V. and Vinyl Acetate are used in their preparation. Similar corrosion specimens are being made of other renal pathological states and also of normal components of the urinary system.

In conjunction with Sterling-Winthrop Laboratories a new chemotherapeutic agent, WIN-18320 Negram, is being used in the treatment of infected kidneys by direct administration via the renal artery. Selective catheterization of the renal artery by the retrograde method is employed for administration of the drug. This study is in its early stages. At present, the amount of "take up" by the kidney, the degree of excretion in the urine and its toxic effect on the kidney when thus administered, are being investigated.

The use of bladder flaps in the reconstruction of vesical necks and sphincters was tried in dogs, whose bladder necks had been excised.

As a method of urinary diversion, implantation of ureters into a rectal pouch is being tried. Terminal iliac colostomy isolates the rectum from the rest of the colon.

Dr. Paul Cutrofello is carrying out a study of seminal vesiculitis and seminal vesiculography.

Dr. Russell Lavengood continues to expand the Pediatric Urological Service in the study of Megacystis Syndrome. He is continuing the study of the infertile male with regard to varicocele.

Dr. Pellegrino Tozzo is conducting a study of the effect of unilateral epididymitis on sperm count in men during the reproductive years. The question posed is, "Does the disease have a relative effect on male fertility when the disease is unilateral?"

Drs. Joseph Ward and Alfred F. Fretz are expanding the Urology Clinic at The Woman's Hospital.

# The Medical Staff

Including Appointments to the Outpatient Staff and the Clinic Staffs

## Medical Service

### Director of Medicine and Attending Physician

Theodore B. Van Itallie, M.D.

### Consulting Physicians

Luis A. Amill, M.D.  
(and Consulting Hematologist)  
G. Jarvis Coffin, M.D.  
Waldo B. Farnum, M.D.  
John R. Graham, M.D.  
(In Epidemiology)  
Albert C. Herring, M.D.  
Oswald R. Jones, M.D.  
John McDowell McKinney, M.D.  
(In Neurology)  
James R. Scott, M.D.  
W. H. Sebrell, Jr., M.D.  
(In Nutrition)  
William L. Tucker, M.D.  
(In Immunology)  
Karl Vogel, M.D.

### Attending Physicians

Charles K. Bogoshian, M.D.  
E. P. Childs, M.D.  
John Staige Davis, Jr., M.D.  
C. Louis Gilbert, M.D.  
William S. Norton II, M.D.  
Robert F. Solley, M.D.  
Samuel F. Thomas, M.D.  
Myron Wright, M.D.

## Associate Attending Physicians

Charles G. Adsit, Jr., M.D.  
Robert S. Beekman, M.D.  
A. L. Loomis Bell, Jr., M.D.  
John F. Bertles, M.D.  
Robert B. Case, M.D.  
Reginald Conklin, M.D.  
(In Diseases of Metabolism)  
James A. Feltman, M.D.  
Francis G. Geer, M.D.  
William A. Geohagan, M.D.  
(In Neurology)  
Maurice F. Goodbody, M.D.  
Robert S. Graham, M.D.  
(In Neurology)  
James G. Hilton, M.D.  
Jed H. Irvine, M.D.  
John H. Keating, Jr., M.D.  
Richard P. Keating, M.D.  
E. Eugene Mullen, M.D.  
William J. Pyles, M.D.  
Charles H. Richards, M.D.  
(In Neurology)  
Fred J. Schilling, M.D.  
Miles J. Schwartz, M.D.  
Craig N. Smith, M.D.  
Frank E. Smith, Jr., M.D.  
Aubrey L. Whittemore, Jr., M.D.

### Assistant Attending Physicians

Stanley S. Bergen, Jr., M.D.  
 Paul Cushman, M.D.  
 Donald P. Dallas, M.D.  
 Hugh C. Davidson, Jr., M.D.  
 Elisabeth B. Decker, M.D.  
 (In Neurology)  
 Robert A. De Napoli, M.D.  
 (In Neurology)  
 George Dermksian, M.D.  
 William C. Felch, M.D.  
 Jonas M. Goldstone, M.D.  
 Sami A. Hashim, M.D.  
 Lillian H. Hellstrom, M.D.  
 Peter R. Holt, M.D.  
 Oscar R. Kruesi, Jr., M.D.  
 Marjorie Nelson, M.D.  
 (to Columbia Infirmary)  
 Hector Perrone, M.D.  
 DeSaussure F. Philpot, M.D.  
 (In Neurology)  
 Edward H. Reisner, Jr., M.D.  
 Martin A. Rizack, M.D.  
 Herbert J. Smith, M.D.  
 Thomas T. Tamlyn, M.D.

### Consulting Cardiologists

Gertrude H. B. Nicolson, M.D.  
 Elvira O. Ostlund, M.D.  
 (In Pediatrics)

### Cardiologist

E. P. Childs, M.D.

### Associate Cardiologist

A. L. Loomis Bell, Jr., M.D.

### Assistant Cardiologists

Robert B. Case, M.D.  
 Miles J. Schwartz, M.D.

### Research Associates

William J. Athos, M.D.  
 George J. Christakis, M.D.  
 William F. Haynes, M.D.  
 Richard N. Pierson, Jr., M.D.  
 René Pingéon, M.D.  
 Seiichi Shimomura, M.D.  
 Richard M. Watson, M.D.  
 Paul R. Torrens, M.D.  
 Coenraad D. Westermann, M.D.

### Appointments to the Out-Patient Department Staff:

Antonio Acosta-Velarde, M.D.  
 Eric Andreae, M.D.  
 Robert C. Atkins, M.D.  
 Harry Bartfeld, M.D.  
 Herbert R. Blain, M.D.  
 Richard S. Crampton, M.D.  
 Michael R. Dubin, M.D.  
 John Jay DuBois, M.D.  
 DuMont F. Elmendorf, M.D.  
 Emanuel Goldstein, M.D.  
 Michael H. Grieco, M.D.  
 David Randall Hays, M.D.  
 Edward Herbert, Jr., M.D.  
 William S. Hopewell, M.D.  
 Horace W. Hurley, M.D.  
 Consuelo Ives, M.D.  
 Paul Keating, M.D.  
 Benjamin Kightlinger, M.D.  
 Robert W. Kimball, M.D.  
 Michael O. Kovaleff, M.D.  
 Monroe B. Kunstler, M.D.  
 Worth Boyd Lintz, M.D.  
 Burton P. McHugh, M.D.  
 Mary V. Nelson, M.D.  
 Francis S. Perrone, M.D.  
 Robert B. Roven, M.D.  
 Daniel Schmitt, M.D.  
 Katherine Shishlow, M.D.  
 Eugene R. Stanton, M.D.  
 John A. Taylor, Jr., M.D.  
 Arthur S. Verdesca, M.D.  
 Isabella S. Wakeham, M.D.  
 Paul V. Waldo, M.D.

### General Medical Clinic

Myron Wright, M.D. (Chief)  
 Eric Andreae, M.D.  
 William J. Athos, M.D.  
 Robert C. Atkins, M.D.  
 Hugh C. Davidson, Jr., M.D.  
 George Dermksian, M.D.  
 James A. Feltman, M.D.  
 Emanuel Goldstein, M.D.  
 Maurice F. Goodbody, M.D.  
 Lillian H. Hellstrom, M.D.  
 William S. Hopewell, M.D.  
 Horace W. Hurley, M.D.

Consuelo Ives, M.D.  
Robert W. Kimball, M.D.  
Worth Boyd Lintz, M.D.  
Mary V. Nelson, M.D.  
Edward H. Reisner, Jr., M.D.  
Katherine Shishlow, M.D.  
Craig N. Smith, M.D.  
Herbert J. Smith, M.D.  
Eugene R. Stanton, M.D.  
Paul R. Torrens, M.D.  
Arthur S. Verdesca, M.D.  
Isabella Wakeham, M.D.

### **Allergy Clinic**

Aubrey L. Whittemore, Jr., M.D. (Chief)  
Anafred N. Halpern, M.D.  
Ruth Kessler, M.D.  
Michael O. Kovaleff, M.D.

### **Arthritis Clinic**

John Staige Davis, Jr., M.D. (Chief)  
Herbert R. Blain, M.D.  
Dumont F. Elmendorf, M.D.  
Jed H. Irvine, M.D.

### **Cardiac Clinic (Adult)**

Donald P. Dallas, M.D. (Chief)  
Richard S. Crampton, M.D.  
Hugh C. Davidson, Jr., M.D.  
George Dermksian, M.D.  
Maurice F. Goodbody, M.D.  
Paul Keating, M.D.  
Seiichi Shimomura, M.D.  
Craig N. Smith, M.D.

### **Chest Clinic (Adult)**

Charles K. Bogoshian, M.D. (Chief)  
Antonio Acosta-Velarde, M.D.  
Francis G. Geer, M.D.  
John A. Taylor, Jr., M.D.

### **Diabetes Clinic**

William S. Norton II, M.D. (Chief)  
Maurice F. Goodbody, M.D.  
Sami A. Hashim, M.D.  
Benjamin N. Kightlinger, M.D.  
Mary V. Nelson, M.D.

### **Emphysema Clinic**

A. L. Loomis Bell, Jr., M.D. (Chief)  
Eric Andreae, M.D.  
Burton P. McHugh, M.D.

### **Endocrine Clinic**

James G. Hilton, M.D. (Chief)  
William J. Athos, M.D.  
Paul Cushman, Jr., M.D.  
Coenraad D. Westermann, M.D.

### **Gastrointestinal Clinic**

C. Louis Gilbert, M.D. (Chief)  
John Jay DuBois, M.D.  
Peter R. Holt, M.D.  
Monroe B. Kunstler, M.D.  
F. Stafford Wearn, M.D.

### **Hematology Clinic**

John F. Bertles, M.D. (Chief)  
Luis A. Amill, M.D.  
Jonas M. Goldstone, M.D.  
Edward H. Reisner, Jr., M.D.  
Myron Wright, M.D.

### **Hypertension Clinic**

Miles J. Schwartz, M.D. (Chief)  
Richard N. Pierson, Jr., M.D.  
Coenraad D. Westermann, M.D.

### **Neurology Clinic (Adult)**

Samuel F. Thomas, M.D. (Chief)  
Robert S. Graham, M.D.  
William A. Geohegan, M.D.  
Charles H. Richards, M.D.

### **Peripheral Vascular Clinic**

Fred J. Schilling, M.D. (Chief)  
George J. Christakis, M.D.  
W. Graham Knox, M.D.  
Robert E. McCabe, Jr., M.D.

### **Thyroid Clinic**

Richard P. Keating, M.D. (Chief)  
Charles G. Adsit, Jr., M.D.  
George Dermksian, M.D.  
Carl S. Oakman, M.D.  
William J. Pyles, M.D.



## Surgical Service

### Director of Surgery and Attending Surgeon

Harold A. Zintel, M.D.

### Assistant to the Director of Surgery (Research) and Attending Surgeon

Hugh F. Fitzpatrick, M.D.

### Assistant to the Director of Surgery (Clinical) and Assistant Attending Surgeon

Robert E. McCabe, Jr., M.D.

### Consulting Surgeons

Edward J. Donovan, M.D.

William F. MacFee, M.D.

Paul C. Morton, M.D.

Edward D. Truesdell, M.D.

### Attending Surgeons

Alexander E. W. Ada, M.D.

Herbert Parsons, M.D.

Bronson Sands Ray, M.D.  
(In Neuro-Surgery)

Richard B. Stark, M.D.

John P. West, M.D.

### Associate Attending Surgeons

Robert T. Edmunds, M.D.

Robert W. Fraser, Jr., M.D.

W. Graham Knox, M.D.

Carl S. Oakman, M.D.

Charles F. Schetlin, M.D.

F. Stafford Wearn, M.D.

### Assistant Attending Surgeons

Charles R. Blair, M.D.

Peter A. Bossart, M.D.

Clayton R. DeHaan, M.D.

Engel P. Hevenor, M.D.

William T. Medl, M.D.

Robert E. Miller, M.D. (Acting)

Malcolm Moley, M.D. (Acting)

Howard R. Nay, M.D. (Acting)

Robert W. Schick, M.D.

Edward G. Stanley-Brown, M.D.

## General Surgical Clinic

W. Graham Knox, M.D. (Chief)

Charles R. Blair, M.D.

Peter A. Bossart, M.D.

Robert T. Edmunds, M.D.

Engel P. Hevenor, M.D.

Robert E. McCabe, Jr., M.D.

Robert E. Miller, M.D.

Malcolm Moley, M.D.

Howard R. Nay, M.D.

## Fracture Clinic

W. Graham Knox, M.D. (Chief)

Charles R. Blair, M.D.

Peter A. Bossart, M.D.

Robert T. Edmunds, M.D.

Engel P. Hevenor, M.D.

Robert E. McCabe, Jr., M.D.

## Gynecology Clinic

W. Graham Knox, M.D. (Chief)

Charles R. Blair, M.D.

Peter A. Bossart, M.D.

Robert T. Edmunds, M.D.

Engel P. Hevenor, M.D.

Robert E. McCabe, Jr., M.D.

Malcolm Moley, M.D.

Carl S. Oakman, M.D.

Charles F. Schetlin, M.D.

Max Alexander, M.D. (Assistant)

## Hand Clinic

Clayton R. DeHaan, M.D. (Chief)

William T. Medl, M.D.

## Neurosurgical Clinic

Herbert Parsons, M.D. (Chief)

Robert W. Schick, M.D.

## Pediatric Surgical Clinic

Edward G. Stanley-Brown, M.D. (Chief)

## Plastic Surgical Clinic

Richard B. Stark, M.D. (Chief)

Clayton R. DeHaan, M.D.

## Rectal Clinic

F. Stafford Wearn, M.D. (Chief)

Malcolm Moley, M.D.

## **Obstetrical and Gynecological Service**

### **Director of Obstetrics and Gynecology and Attending Obstetrician and Gynecologist**

Harold M. M. Tovell, M.D.

### **Consulting Obstetricians and Gynecologists**

Albert H. Aldridge, M.D.  
G. Gordon Bemis, M.D.  
Edward A. Bullard, M.D.  
Joshua W. Davies, M.D.  
Inglis Frost, M.D.  
John G. Hill, M.D.  
William T. Kennedy, M.D.  
James P. Marr, M.D.  
Arthur J. Murphy, M.D.  
Joseph N. Nathanson, M.D.  
Nelson B. Sackett, M.D.

### **Attending Obstetricians and Gynecologists**

Irving H. Beckwith, M.D.  
Haig Carapetyan, M.D.  
Arthur M. Davids, M.D.  
Leonard L. Hyams, M.D.  
Carl T. Javert, M.D.  
Locke L. Mackenzie, M.D.  
Edward J. Sivigny, M.D.

### **Associate Attending Obstetricians and Gynecologists**

William B. Bell, M.D.  
William Epstein, M.D.  
Graham G. Hawks, M.D.  
Emanuel Klempner, M.D.  
Van P. Latsey, M.D.  
Barbara J. Logan, M.D.  
Elise L. Renning, M.D.  
Frank Spielman, M.D.  
Dudleigh C. Stone, M.D.  
Esther M. Ward, M.D.

### **Assistant Attending Obstetricians and Gynecologists**

John S. Aldridge, M.D.  
Margot Ammann, M.D.  
William O. Buell, M.D.  
Robert M. Cushing, M.D.  
John E. Dalton, M.D.  
Dolores E. Fiedler, M.D.  
Bernard N. Nathanson, M.D.  
Lajos I. von Micsky, M.D.

### **Acting Assistant Attending Obstetricians and Gynecologists**

Ruth M. McLean, M.D.  
Stuart Oster, M.D.  
Magin Sagarra, M.D.  
Neil Sherman, M.D.  
Ian G. Van Praagh, M.D.

### **Research Associates in Obstetrics and Gynecology**

Barbara J. Johnston, M.D.  
\*Katherine Kuder, M.D.

### **Obstetrical Clinic**

Carl T. Javert, M.D. (Chief)

### **Gynecological Clinic**

Peter Van Latsey, M.D. (Chief)

### **Assistants**

Ramon Basora, M.D.  
Fernando C. Cocca, M.D.  
Milton Ehrlich, M.D.  
James H. Ko, M.D.  
Richard X. Sands, M.D.  
David H. Schonholz, M.D.  
Alice H. Stewart, M.D.  
(In Obstetrics)  
Clarence E. Woodward, M.D.

\*On leave of absence

## **Special Clinics** (Woman's Hospital)

### **Sterility and Endocrine Clinic**

Haig Carapetyan, M.D. (Chief)  
Paul Cushman, M.D.  
Dolores M. Fiedler, M.D.  
James G. Hilton, M.D.

### **Tumor Clinic**

Harold M. M. Tovell, M.D. (Chief)  
John S. Aldridge, M.D.  
Carl T. Javert, M.D.  
Leonard M. Liegner, M.D.  
Elise L. Renning, M.D.

### **Medical Clinic**

Robert S. Beekman, M.D. (Chief)  
David H. Schonholz, M.D.

### **Urology Clinic**

John W. Draper, M.D. (Chief)  
Alfred F. Fretz, M.D.  
Eugene L. Hoch, M.D.  
Bernard N. Nathanson, M.D.  
Boris P. Petroff, M.D.  
Joseph N. Ward, M.D.

### **Gastro-Enterology Clinic**

C. Louis Gilbert, M.D.  
Monroe B. Kunstler, M.D.

### **Orthopedic Clinic**

Edward M. Winant, M.D.

## **Special Services**

### **Anesthesiology**

#### **Director of Anesthesiology and Attending Anesthesiologist:**

Louis S. Blancato, M.D.

#### **Consulting Anesthesiologist:**

G. Edgar Burford, M.D.

#### **Attending Anesthesiologists:**

Leonora L. Greteman, M.D.  
Aino Tuul, M.D.

#### **Associate Attending Anesthesiologist:**

Errol N. Harding, M.D.

#### **Assistant Attending Anesthesiologists:**

Ennio Gallozzi, M.D.  
Joseph Iacovelli, M.D.  
Sui Tsung Lee, M.D.  
Edward Los, M.D. (Acting)  
Altagracia Haydee Polanco, M.D. (Acting)  
Arthur R. Poole, M.D. (Acting)

## **Dentistry**

### **Director of Dentistry and Attending Dental Surgeon:**

Henry G. Rieger, D.D.S.

### **Consulting Dental Surgeons:**

Malcolm Wallace Carr, D.D.S.

Joseph D. Eby, D.D.S.

Edward J. Ortion, D.D.S.

### **Attending Dental Surgeons:**

William Ferderber, D.D.S.

Edward Stroh, D.D.S.

### **Associate Attending Dental Surgeons:**

Eugene R. Ball, D.D.S.

Anthony S. Caruso, D.D.S.

Francis J. Faggella, D.D.S.

Louis G. Haase, D.D.S.

Seth B. Willets, D.D.S.

### **Assistant Attending Dental Surgeons:**

Edgar L. Buehler, D.D.S.

Byron S. Severns, D.D.S.

Robert W. Tirrell, Jr., D.D.S.

Cosmo J. Vetrone, D.D.S.

Edward C. Vollmer, D.D.S.

(In Orthodontia)

### **Chief of Dental Clinic:**

Edward Stroh, D.D.S.

## **Dermatology**

### **Director of Dermatology and Attending Dermatologist:**

Leslie P. Barker, M.D.

### **Consulting Dermatologists:**

Valentine C. Baker, M.D.

Perry M. Sachs, M.D.

Tryphosa R. Worcester, M.D.

### **Attending Dermatologists:**

Juan Larralde, M.D.

Alexander W. Young, Jr., M.D.

### **Chief of Dermatology and Syphilis Clinic:**

Leslie P. Barker, M.D.

### **Assistants:**

Helen Joan Fabian, M.D.

Herbert Kraut, M.D.

## Ophthalmology

### Director of Ophthalmology and Attending Ophthalmologist:

Harry Eggers, M.D.

### Consulting Ophthalmologists:

John H. Dunnington, M.D.

W. Guernsey Frey, M.D.

Walter Hipp, M.D.

Algernon B. Reese, M.D.

Henry Templeton Smith, M.D.

### Attending Ophthalmologists:

Ira Snow Jones, M.D.

Robert McClanahan, M.D.

### Associate Attending Ophthalmologists:

John E. Lally, M.D.

Howard K. Weisberg, M.D.

### Assistant Attending Ophthalmologists:

\*W. Dudson Bacon, M.D. (Acting)

John Eden, M.D.

Lydia Perez Guardiola, M.D.

Richard S. Kochman, M.D.

James C. Newton, M.D.

### Chief of Ophthalmology Clinic:

Harry Eggers, M.D.

## Orthopedic Surgery

### Director of Orthopedic Surgery and Attending Orthopedic Surgeon:

Frederick R. Thompson, M.D.

### Consulting Orthopedic Surgeons:

David M. Bosworth, M.D.

Mather Cleveland, M.D.

### Attending Orthopedic Surgeon:

Edward M. Winant, M.D.

### Associate Attending Orthopedic Surgeons:

J. William Fielding, M.D.

Hudson J. Wilson, M.D.

### Assistant Attending Orthopedic Surgeons:

Benjamin O. Brane, M.D.

Lawrence Mann Demarest, M.D.

Leon Katowicz, M.D.

### Acting Assistant Attending Orthopedic Surgeons:

Norman A. Hill, M.D.

Henry J. Magliato, M.D.

Robert E. Zickel, M.D.

### Chief of Orthopedic Surgery Clinic:

J. William Fielding, M.D.

### Assistants:

Richard G. Freeman, M.D.

George F. Hewson, Jr., M.D.

William A. Liebler, M.D.

\*On leave of absence

## Otolaryngology

### **Director of Otolaryngology and Attending Otolaryngologist:**

Stanley Whitfield, M.D.

### **Consulting Otolaryngologists:**

Daniel C. Baker, M.D.

Paul H. Breuning, M.D.

Victor C. McCuaig, M.D.

John Ross, M.D.

### **Attending Otolaryngologists:**

Orrin E. Anderson, M.D.

A. Reginald Everett, M.D.

James C. Kirkbright, M.D.

Ashby G. Martin, M.D.

Duncan R. McCuaig, M.D.

Hilton H. Stothers, M.D.

### **Associate Attending Otolaryngologists:**

Charles C. Harrold, M.D.

(In Tumor Surgery)

Thomas J. Mackie, M.D.

Norman N. Ostrov, M.D.

### **Assistant Attending Otolaryngologists:**

Richard J. Bellucci, M.D.

Sumner L. Freeman, M.D.

Nicholas Lagoumis, M.D.

Harmon Talley Rhoads, Jr., M.D.

(In Plastic Surgery)

### **Acting Assistant Attending Otolaryngologists:**

Samuel V. Boor, M.D.

Arthur S. Brenner, M.D.

Raymond B. Strauss, M.D.

### **Chief of Otolaryngology Clinic:**

Stanley Whitfield, M.D.

### **Assistant:**

Mavrikij P. Chester, M.D.

## Pathology

### **Director of Pathology and Laboratories and Attending Pathologist:**

Charles F. Begg, M.D.

### **Consulting Pathologists:**

Virginia K. Frantz, M.D.

Leila C. Knox, M.D.

Rafael Lattes, M.D.

Donald McKay, M.D.

Leon Motyloff, M.D.

Arthur Purdy Stout, M.D.

### **Associate Attending Pathologist:**

Artemis D. Nash, M.D.

### **Assistant Attending Pathologists:**

Harold P. Gaetz, M.D.

George W. Munsick, M.D.

## Pediatrics

### Director of Pediatrics and Attending Pediatrician:

J. Frederick Eagle, Jr., M.D.  
(resigned as Director,  
effective March 1, 1964)  
Stuart S. Stevenson, M.D.  
(as of March 1, 1964)

### Consulting Pediatricians:

†Charles Auer, M.D.  
Harold W. K. Dargeon, M.D.  
Reginald A. Higgons, M.D.  
Frederick C. Hunt, M.D.  
Herbert F. Jackson, M.D.  
F. Elmer Johnson, M.D.  
John F. Landon, M.D.  
Gertrude H. B. Nicolson, M.D.  
Elvira O. Ostlund, M.D.  
Philip M. Stimson, M.D.

### Attending Pediatricians:

Ruth J. Cudmore, M.D.  
J. Frederick Eagle, Jr., M.D.  
Elizabeth B. Hinckley, M.D.  
Margaret H. McKee, M.D.  
Elizabeth B. Watkins, M.D.  
Leo F. J. Wilking, Jr., M.D.

### Associate Attending Pediatricians:

Maxcy Jean Smith, M.D.  
Patricia Evelyn Spier, M.D.

### Assistant Attending Pediatricians:

Elizabeth B. Decker, M.D.  
Carol C. Dickson, M.D.  
Peter A. Duncan, M.D.  
Judith Frank, M.D. (Acting)  
Domenick K. Galluzzo, M.D.  
Catherine Lodyjensky, M.D.  
K. Aurelia Raciti, M.D.  
Dudley Albert Roberts, M.D.  
Eleanor T. Roth, M.D.  
Sarah D. Schuh, M.D. (Acting)  
Lucy H. Swift, M.D.  
Doris L. Wethers, M.D.

### Chief of Pediatric Clinic:

Elizabeth B. Watkins, M.D.

### Assistants:

Kamila Balk, M.D.  
Pedro P. Cantillo, M.D.  
Anafréd Nelson Halpern, M.D.  
Ruth Kessler, M.D.  
Mark W. Steele, M.D.  
Ruth Waldman  
deCamacho, M.D.

### Children's Cardiac Clinic:

\*Robert B. Case, M.D. (Chief)  
\*Robert C. Atkins, M.D.  
Elvira O. Ostlund, M.D.  
\*René Pingéon, M.D.  
Maxcy J. Smith, M.D.

\*Assigned from Medical Service

†Died February 23, 1964



## **Physical Medicine**

### **Director of Physical Medicine and Attending Psychiatrist:**

Shyh-Jong Yue, M.D.

### **Assistant Attending Psychiatrist:**

Antonio Cocchiarella, M.D.

## **Psychiatry**

### **Director of Psychiatry and Attending Psychiatrist:**

John M. Cotton, M.D.

### **Consulting Psychiatrists:**

E. Livingston Hunt, M.D.

John McDowell McKinney, M.D.

### **Attending Psychiatrists:**

Benjamin H. Balser, M.D.

Frank J. Curran, M.D.

Earl A. Loomis, M.D.

Henriette R. Klein, M.D.

David M. MacDonald, M.D.

Bernard L. Pacella, M.D.

### **Associate Attending Psychiatrists:**

Alexander Caemmerer, Jr., M.D.

Jean Munzer, M.D.

Luis Perelman, M.D.

Harry Reiss, M.D.

Herbert Spiegel, M.D.

Samuel F. Thomas, M.D.

Charles P. Wilson, M.D.

### **Assistant Attending Psychiatrists:**

Abraham A. Chaplan, M.D.

Ralph Colp, Jr., M.D.

Robert C. Cussler, M.D.

Victor D'Arc, M.D.

Sam Ehre, M.D.

William A. Geohegan, M.D.

Richard J. Glavin, M.D.

Jerome Haber, M.D.

Willard S. Kahn, M.D.

John A. Milici, M.D.

Robert S. Mumford, M.D.

Dallas Pratt, M.D.

Charles H. Richards, M.D.

Jerry M. Wiener, M.D.

Adolfo Zier, M.D.

### **Research Associates:**

Myra Hatterer, M.D.

Herbert M. Hendin, M.D.

Robert Shaw, M.D.

### **Adult Clinic**

David M. MacDonald, M.D.  
(Chief)

### **Child Psychiatry:**

Jerry M. Wiener, M.D. (Chief)

### **Assistants:**

Thomas J. Craig, M.D.

Alan Elkins, M.D.

Philip A. Ernst, M.D.

George O. Papanek, M.D.

James Randall, M.D.

David Read, M.D.

Ernest A. Wacker, M.D.

Heinz Wennert, M.D.

## Radiology

### Director of Radiology and Attending Radiologist:

Nathaniel Finby, M.D.

### Consulting Radiologists:

Herbert F. Hempel, M.D.

Harriet McIntosh, M.D.

Rieva Rosh, M.D.

(In Radiation Therapy)

### Attending Radiologists:

Samuel D. Hemley, M.D.

Virginia Kanick, M.D.

Leonard M. Liegner, M.D.

(In Radiation Therapy)

### Associate Attending Radiologists:

Dorothy Ekstrom, M.D.

Richard D. Kittredge, M.D.

### Assistant Attending Radiologist:

Theresa L. Siebert, M.D.

### Acting Assistant Attending Radiologists:

John W. Anderson, M.D.

Leonard Kaufman, M.D.

David Ostrolenk, M.D.

## Urology

### Director of Urology and Attending Urologist:

John W. Draper, M.D.

### Consulting Urologists:

George F. Hoch, M.D.

John A. Taylor, M.D.

### Attending Urologists:

Eugene L. Hoch, M.D.

Boris P. Petroff, M.D.

Constantine Photos, M.D.

### Associate Attending Urologists:

Waleed J. Maloof, M.D.

Russell W. Lavengood, Jr., M.D.

### Assistant Attending Urologists:

Alfred F. Fretz, M.D.

Joseph N. Ward, M.D.

### Research Associates:

Michael Sierp, M.D.

Stuart R. Silver, M.D.

### Chief of Urology Clinic:

Alfred F. Fretz, M.D.



## Clinical Departments—1964

### Hearing and Speech

Director of Otolaryngology:  
Stanley Whitfield, M.D.

Director of Hearing and Speech:  
James C. Kirkbright, M.D.

Audiologist:  
Mary Marcellus, M.A.

Consultants in Speech:  
Jane Dorsey Zimmerman, Ph.D.  
William H. Canfield, Ed.D.

Speech Therapist:  
Paul D. Burgess, Jr., B.A.

### Laboratories

Director:  
Charles F. Begg, M.D.

Assistant Directors:  
Harold P. Gaetz, M.D.  
Artemis D. Nash, M.D.

Assistant Director (Bacteriology):  
Marion E. Wilson, Ph.D.

Assistant Director (Biochemistry):  
Louis Basil Dotti, Ph.D.

Director, Woman's Hospital:  
Leon Motyloff, M.D.

### Medical Departments

Director:  
Theodore B. Van Itallie, M.D.  
Administrative Assistant for  
Special Projects:  
Richard N. Pierson, Jr., M.D.

### Blood Bank

Director:  
Myron Wright, M.D.  
Consultant:  
Luis A. Amill, M.D.  
Administrative Director:  
Albert De Natale, Ph.G., Ph.C.  
Assistant Directors:  
John F. Bertles, M.D.  
Fred J. Schilling, M.D.

### Cardio Pulmonary Laboratory

Director:  
Oswald R. Jones, M.D.  
Physician-in-Charge:  
A. L. Loomis Bell, Jr., M.D.  
Assistant Physician-in-Charge:  
Seiichi Shimomura, M.D.

### Electrocardiography

Director:  
E. P. Childs, M.D.

### Electroencephalography

Director:  
Charles H. Richards, M.D.

### Radioisotope Laboratory

Director:  
Richard P. Keating, M.D.  
Assistant Director:  
Richard N. Pierson, Jr., M.D.  
Consultant in Radiotherapy:  
Leonard M. Liegner, M.D.

### Physical Medicine

Director:  
Shyh-Jong Yue, M.D.

### Radiology

Director:  
Nathaniel Finby, M.D.  
Associate Director:  
Virginia Kanick, M.D.  
Chief, Radiation Therapy Section:  
Leonard M. Liegner, M.D.

### Scientific Advisory Staff

Consultant in Speech Therapy:  
Jane Dorsey Zimmerman, Ph.D.  
Consultant in Virology:  
James A. Baker, Ph.D.  
Associate Consultants in  
Biochemistry:  
Thomas A. Borgese, Ph.D.  
Oswald A. Roels, Ph.D.  
Associate Consultant in  
Radiation Physics:  
Harald H. Rossi, Ph.D.  
Associate Consultant in  
Sociology:  
Emily Mumford, Ph.D.  
Associate Consultant in  
Speech Therapy:  
William H. Canfield, Ed.D.



# House Staff

## Medicine

### Chief Resident

Ernest C. Richards, M.D.

### Fellows

Sheldon Alter, M.D.

C. Redington Barrett, Jr., M.D.

David Chalfin, M.D.

Charles P. Felton, M.D.

Habiba Hassan, M.D.

Barry H. Hellman, M.D.

Veljko Krstulovic, M.D.

Daisy Si Lee, M.D.

Munir E. Nassar, M.D.

Harry A. Roselle, M.D.

Phienvit Tantibhedhyangkul, M.D.

Robert B. Zurier, M.D.

### Senior Assistant Residents

Peter H. Gott, M.D.

Arthur J. Lennon, M.D.

Richard S. McCray, M.D.

Esteban Mezey, M.D.

Martin F. Stein, Jr., M.D.

George A. Ubogy, M.D.

### Junior Assistant Residents

Sidney E. Bender, M.D.

Paul A. Bienstock, M.D.

J. Donald Capra, M.D.

Clyde W. Chun, M.D.

Sarkis J. Kechejian, M.D.

Ralph G. Oriscello, M.D.

Arthur Vall-Spinosa, M.D.

### Interns

Judith Ann Boone, M.D.

Edmund Chaitman, M.D.

David S. David, M.D.

James B. de Maine, M.D.

David V. Forrest, M.D.

Gerald A. Frank, M.D.

James W. Jefferson, M.D.

Andrew W. Nichols, M.D.

Theodore B. Robbins, M.D.

Edward M. Shelley, M.D.

## Cardiology

### Resident

Benjamin H. Alexander, M.D.

## Surgery

### Residents

Jesse A. Blumenthal, M.D.

Jean-Guy Fecteau, M.D.\*

Charles M. Rucker, M.D.

Frederic D. Schuh, M.D.

R. C. A. Weatherly-White, M.D.  
(in Plastic Surgery)

### First Assistant Residents

Randolph H. Guthrie, M.D.

Edward K. Howard, M.D.

John H. Hughes, M.D.

### Second Assistant Residents

Alan L. Rinestone, M.D.

John J. White, Jr., M.D.

### Third Assistant Residents

Richard J. Cea, M.D.

E. Roger Newman, M.D.

Gabriel T. A. Rizzi, M.D.

Lowell J. Rosman, M.D.

David T. Schwartz, M.D.

Lawrence M. Stone, M.D.

### Interns

Robert L. Boothe, M.D.

Peter B. Cinelli, M.D.

Michael J. Epstein, M.D.

Thomas J. Palmieri, M.D.

John R. Scott, M.D.

Warren H. Siegel, M.D.

Oscar Wand, M.D.

Edward G. Williams, Jr., M.D.

\*On Affiliation from the Veterans' Administration Hospital



## **Obstetrics and Gynecology**

### **Residents**

John A. Bennett, M.D.  
Ralph J. Berardi, M.D.  
Wayne D. Boring, Jr., M.D.  
Daniel E. Carmichael, M.D.  
Soon O. Chung, M.D.  
Joshua W. Davies, Jr., M.D.  
John G. Ketterer, Jr., M.D.  
John I. Moraca, M.D.  
Shahrokh Naderi, M.D.  
Warren G. Povey, M.D.  
Miguel A. Pulido, M.D.  
John D. Rudolph, M.D.  
Mostafa Ahmed Selim, M.D.  
Martin Siegelman, M.D.  
Juan Solsona, M.D.

## **Anesthesiology**

### **Residents**

Khurshid Channah, M.D.  
Danilo A. Diokno, M.D.  
Robert Chin-erh Lin, M.D.  
Tsu-Chin Peng, M.D.  
James B. Pollaci, M.D.  
Anselma G. Tan-Gatue, M.D.

## **Dentistry**

### **Residents in Oral Surgery**

Kurt Koral, D.D.S.  
Richard H. Sand, D.D.S.

## **Dermatology**

### **Resident**

Herbert J. Smokler, M.D.

### **Assistant Resident**

Eugene W. Sweeney, M.D.

## **Ophthalmology**

### **Residents**

Charles R. Beyrer, M.D.  
Camilo Taiara, M.D.

### **Assistant Resident**

Irineo P. Acacio, Jr., M.D.

## **Orthopedics**

### **Residents**

Alexander C. Angelides, M.D.  
Jerome J. Moga, M.D.

### **First Assistant Resident**

Paul R. Sweterlitsch, M.D.

### **Second Assistant Residents**

Courtney W. Brown, M.D.  
Francisco Chevres, M.D.  
Erik A. Rosenthal, M.D.

## **Otolaryngology**

### **Resident**

Lachlan M. Mackenzie, M.D.

### **Assistant Residents**

Andrew J. Dadagian, M.D.  
Cyrus A. Moshiri, M.D.

## **Pathology**

### **Resident**

Helen Kodza, M.D.

### **First Assistant Resident**

Kendall K. Kane, M.D.

### **Third Assistant Residents**

Thomas S. N. Chen, M.D.  
James A. E. Spencer, M.D.



## Pediatrics

### Chief Resident

Charles Ray Jones, M.D.

### Residents

Parichehr Abadee, M.D.  
Ludivina Y. Garces, M.D.  
Susan A. Ventre, M.D.

### Assistant Residents

Benjamin T. Barlizo, Jr., M.D.  
Uthai Malakorn, M.D.  
K. M. Rajashekaraiah, M.D.  
Reynaldo R. Reyes, M.D.

### Interns

Carol Kay Lissenden, M.D.  
Mary McMichael, M.D.  
Ronald I. Platt, M.D.  
Mary Ann Radkowski, M.D.

## Psychiatry

### Adult Service

#### Chief Resident

Lawrence I. Levitt, M.D.

#### Fellows

John J. McCormack, M.D.  
Melvin M. Udel, M.D.  
Seymour Warman, M.D.

#### Residents

Maria G. Balsam, M.D.  
Arnold D. Bucove, M.D.  
Edward E. Gilmour, M.D.  
Gerald Kleinerman, M.D.

### Child Service

#### Chief Fellow

Norman V. Balinsson, M.D.

#### Fellow

Thornton A. Vandersall, M.D.

## Radiology

### Fellow

Minou Razi, M.D.

### Residents

Ina A. Altman, M.D.  
Harvey I. Wilner, M.D.

### First Assistant Resident

Milton J. Bienstock, M.D.

### Second Assistant Residents

Stephen B. Lo Curcio, M.D.  
Guy A. Moschetti, M.D.

## Urology

### Fellows

Ahmad Orandi, M.D.  
John D. Iswariah, M.D.

### Resident

Paul J. Cutrofello, M.D.

### Assistant Residents

Piero O. Niceta, M.D.  
Rudolph D. Talarico, M.D.  
Pellegrino J. Tozzo, M.D.

## St. Luke's Convalescent Hospital

### **The Attending Staff**

(Includes the Medical Staff of St. Luke's Hospital, New York, and the persons listed below):

Medical Director:

Stanley S. Bergen, Jr., M.D.

Attending Physician:

William Hammond, M.D.

Associate Attending Physicians:

William C. Felch, M.D.

Daniel Schmitt, M.D.

Assistant Attending Physicians:

Edward A. Clerkin, M.D.

Roy Gumpel, M.D.

James A. Levy, M.D.

Hartvig B. Roholt, M.D.

Consulting Cardiologist:

Elvira O. Ostlund, M.D.

Associate Attending Surgeons:

Nolan H. Baird, M.D.

George B. Banister, M.D.

David A. W. Wilson, M.D.

Assistant Attending Surgeon:

Warren W. Leeds, M.D.

Attending Dentist:

Walter F. Minnerly, D.D.S.

Assistant Attending

Dental Surgeon:

Ralph Krainin, D.D.S.

Consulting Dermatologist:

James Howard Dwinelle, M.D.

Consulting Ophthalmologist:

Frank D. Carroll, M.D.

Associate Attending

Ophthalmologist:

John Thayer Simonton, M.D.

Associate Attending

Otolaryngologist:

Richard Berry Hadley, M.D.

Attending Pediatrician:

Gertrude M. Hyde, M.D.

Associate Attending Pediatrician:

John Eveleigh Gundy, M.D.

Assistant Attending Pediatricians:

John H. Dale, M.D.

Neil F. Lebhar, M.D.

Consulting Psychiatrist:

James H. Wall, M.D.

## Society of the Alumni of St. Luke's Hospital

*President:*

Charles F. Schetlin, M.D.

*Vice-President:*

Edward M. Winant, M.D.

*Secretary:*

Charles R. Blair, M.D.

*Treasurer:*

Francis G. Geer, M.D.

## Woman's Hospital Society

*President:*

Leonard Leroy Hyams, M.D.

*Secretary:*

William B. Bell, M.D.

*Treasurer:*

John S. Aldridge, M.D.





# Publications by Members of St. Luke's Hospital Medical and Scientific Staffs 1963

AKBARI, AHMAD joint author. See: SILVER, STUART R.

ANDREAE, ERIC joint author. See: GRIECO, MICHAEL H.

ARIDA, EDWARD J. joint author. See: HEMLEY, SAMUEL D.  
KITTREDGE, RICHARD D.

ASFOUR, R.; HASHIM, SAMI A.; SCHUTTRINGER, G.; MORACA, JOHN I.; SEBRELL,  
W. HENRY, JR.; VAN ITALLIE, THEODORE B.

Effect of Linoleate-rich Diet on Tocopherol Requirement in Infants. *Fed. Proc.*  
22:550.

ATHOS, WILLIAM J. joint author. See: CUSHMAN, PAUL, JR.

BEGG, CHARLES F. joint author. See: FINBY, NATHANIEL

BELL, A. L. LOOMIS, JR. joint author. See: KIGHTLINGER, BENJAMIN N.

BERGEN, STANLEY S., JR.; HILTON, JAMES G.; VAN ITALLIE, THEODORE B.

Glycogenolytic Effect of Cyclic 3'5' Adenosine Monophosphate in the Canine Liver.  
*Clin. Res.* 11:214.

BERGEN, STANLEY S., JR.; VAN ITALLIE, THEODORE B.

Approaches to the Treatment of Hypercholesteremia. *Ann. Int. Med.* 58:355.

BLAIR, CHARLES R.; NAY, HOWARD R.; RUCKER, CHARLES M.

Surgical Repair of Rectal Prolapse. *Surg.* 53:625.

BURGER, ROBERT H. joint author. See: KITTREDGE, RICHARD D.

CASE, ROBERT B.; ROVEN, ROBERT B.

Some Considerations of Coronary Flow. *Prog. in Cardiovasc. Dis.* 6:45

CASE, ROBERT B. joint author. See: PIERSON, RICHARD N., JR.

CHILDS, EDWARD P. joint author. See: GRIECO, MICHAEL H.



CHRISTAKIS, GEORGE J.; SEVERINGHAUS, E. L.; MALDONADO, Z.; KAFATOS, F.; HASEGAWA, K.; HASHIM, SAMI A.

Fatty Acid Patterns of Subcutaneous Fat in Male Inhabitants of Crete. *Fed. Proc.* 22:209.

CHRISTAKIS, GEORGE J.; SEVERINGHAUS, E. L.; MALDONADO, Z.; KAFATOS, F.; HASHIM, SAMI A.; VAN ITALLIE, THEODORE B.

Crete: a Study in the Metabolic Epidemiology of Coronary Heart Disease. *Am. J. Clin. Nutr.* 12:337.

CHRISTAKIS, GEORGE J. joint author. See: VAN ITALLIE, THEODORE B.

CUSHMAN, PAUL, JR.; DuBOIS, JOHN J.; DWYER, EDWARD M.; IZZO, J. L.

Protracted Tolbutamide Hypoglycemia. *Am. J. Med.* 35:196.

CUSHMAN, PAUL, JR.; HILTON, JAMES G.

Acute Phenothiazine Administration on Pituitary-ACTH Release and Adrenal Cortical Function on the Dog. *Clin. Res.* 11:403.

CUSHMAN, PAUL, JR.; HILTON, JAMES G.; NEDELJKOVIC, RELJA I.; WESTERMANN, COENRAAD D.

The Effect of Methopirapone Infusions on Plasma ACTH-like Activity in the Dog. *Clin. Res.* 11:216.

CUSHMAN, PAUL, JR.; WESTERMANN, COENRAAD D.; ATHOS, WILLIAM J.; HILTON, JAMES G.

Increased Plasma ACTH-like Activity Following Methopirapone Administration in the Dog. *Endocrinol.* 73:529.

DEHAAN, CLAYTON R.; SAUNDERS, DAVID E.

Sickle Cell Trait Producing Recurrent Ulceration of the Leg. *Plastic and Reconstr. Surg.* 31:467.

DEHAAN, CLAYTON R. joint author. See: ROTH, ROBERT F.

DOTTI, LOUIS B. joint author. See: SCHILLING, FRED J.

DRAPER, JOHN W. joint author. See: KITTREDGE, RICHARD D.  
SILVER, STUART R.

DUBIN, MICHAEL R. joint author. See: PIERSON, RICHARD N., JR.

DuBOIS, JOHN J. joint author. See: CUSHMAN, PAUL, JR.

DWYER, EDWARD M. joint author. See: CUSHMAN, PAUL, JR.

EAGLE, J. FREDERICK, JR.

Relationship of Pediatrics and Orthodontics. *Internat. J. Orthodontics* 1:25.

Quality of Medical Care: A Problem. *J. Ped.* 63:1151.

Fluids and Electrolytes in Burns. *J. Florida Med. Assoc.* 50:435.

EGGERS, HARRY

The Cause and Treatment of School Myopia. *Eye, Ear, Nose & Throat Monthly* 42:50.

FELCH, WILLIAM C. joint author. See: HASHIM, SAMI A.

FIELDING, J. WILLIAM

Postoperative Correction of Scoliosis. 1962-1963 Year Book of Orthopaedic Surgery, p. 179 (Year Book Medical Publishers—Chicago, Illinois).

FINBY, NATHANIEL; BEGG, CHARLES F.

Correlation Conferences in Radiology and Pathology. Traumatic Aortic Aneurysm. N. Y. State J. Med. 63:586.

Correlation Conferences in Radiology and Pathology. Mediastinal Thymoma with Superior Vena Cava Obstruction. N. Y. State J. Med. 63:1195.

Correlation Conferences in Radiology and Pathology. Congenital Ureteral Valves. N. Y. State J. Med. 63:1827.

Correlation Conferences in Radiology and Pathology. Carcinoma of Ureter. N. Y. State J. Med. 63:2397.

Correlation Conferences in Radiology and Pathology. Solitary Dense Vertebral Body. N. Y. State J. Med. 63:2995.

Correlation Conferences in Radiology and Pathology. Stomach Nodule—Aberrant Pancreas. N. Y. State J. Med. 63:3554.

FINBY, NATHANIEL; ARCHIBALD, R.M.

Skeletal Abnormalities Associated with Gonadal Dysgenesis. Am. J. Roentgenol., Radium Therapy and Nuclear Med. LXXXIX, No. 6, June, 1963.

FINBY, NATHANIEL joint author. See: HEMLEY, SAMUEL D.

KANICK, VIRGINIA

KITTREDGE, RICHARD D.

FINBY, NATHANIEL joint author with KRAFT, E.; SCHILLINGER, A.

Routine Skull Roentgenography of Psychiatric Hospital Admissions. Am. J. Roentgenology, Radium Therapy and Nuclear Med. LXXXIX, No. 6, June, 1963.

FITZPATRICK, HUGH F. joint author. See: MILLER, ROBERT E.

SCHWARTZ, MILES J.

GRIECO, MICHAEL H.; ANDREAE, ERIC

Complete Atrioventricular Block Complicating Acute Myocardial Infarction. Response to Corticosteroid Therapy. N. Y. J. Med. 63:2253.

GRIECO, MICHAEL H.; SCHWARTZ, MILES J.; CHILDS, EDWARD P.

True Bilateral Bundle Branch Block. Report of a Case. Am. J. Card. 5:666.

HASEGAWA, K. joint author. See: CHRISTAKIS, GEORGE J.

HASHIM, SAMI A.; FELCH, WILLIAM C.; VAN ITALLIE, THEODORE B.

Lipid Metabolism in Relation to Physiology and Pathology of Atherosclerosis: In Handbook of Physiology, Section 2, Circulation, ed. by Hamilton, W. F. and Dow, P. Washington, D.C., Am. Physiol. Soc. II:1167.

HASHIM, SAMI A.; VAN ITALLIE, THEODORE B.

Experimental Steatorrhea in Human Subjects In Malabsorption Syndrome, Symp. and World Congr. Gastroenterol., Munich, 1962. Basel/New York, Karger, 1963, p. 26.

HASHIM, SAMI A. joint author. See: ASFOUR, R.

CHRISTAKIS, GEORGE J.

KITTREDGE, RICHARD D.

KRELL, K.

SCHILLING, FRED J.

VAN ITALLIE, THEODORE B.



- HEMLEY, SAMUEL D.; ARIDA, EDWARD J.; FINBY, NATHANIEL  
Cushing's Syndrome Associated with Bronchogenic Carcinoma. *Radiol.* 80:11.  
Nephrotomography: Its Practical Advantages. *J. Urol.* 89:510.
- HEMLEY, SAMUEL D.; KANICK, VIRGINIA  
Perforation of the Rectum. A Complication of Barium Enema Following Rectal Biopsy. *Am. J. Digestive Dis.* 8:882.
- HEMLEY, SAMUEL D.; KITTREDGE, RICHARD D.; FINBY, NATHANIEL  
Combined Presacral Gas Insufflation and Retrograde Aortography in Differential Diagnosis of Retroperitoneal Tumors. *Ann. Surg.* 157:606.
- HEMLEY, SAMUEL D.; MELLINS, H. Z.; FINBY, NATHANIEL  
Punctate Calcifications of the Spleen in Sickle Cell Anemia. *Am. J. Med.* 34:483.
- HEWSON, GEORGE F., JR.  
An Improved Hip Abduction Brace. *Clin. Orthop.* No. 31, chapter 22, p. 205.
- HILTON, JAMES G. joint author. See: BERGEN, STANLEY S., JR.  
CUSHMAN, PAUL, JR.
- HOPEWELL, WILLIAM S. joint author. See SCHWARTZ, MILES J.
- JACO, NICHOLAS T.  
The Effect of Glucose and Digoxin on Experimental Hyaline Membrane Disease in Guinea Pigs. *Ped.* 32:922.
- JAVERT, CARL T.  
Incompetent Cervix. *Modern Med.* 3:194.  
Abortions. *Encyclopedia Americana*, Grolier Pub., N. Y., 1963.  
Pregnancy. *Encyclopedia Americana*, Grolier Pub., N. Y., 1963.
- JAVERT, CARL T.; RENNING, ELISE L.  
Endometrial Cancer—A Survey of 610 Cases Treated at Woman's Hospital (1919-1960). *Cancer* 16:1057.
- JOHNSON, JOHN R.; ZINTEL, HAROLD A.  
Pancreatic Calcification and Cancer of the Pancreas. *Surg., Gyn., and Obst.* 117:585.
- JOHNSTON, BARBARA  
Response of Sarcoma 37 Cells to Three Chemotherapeutic Agents. *Acta Cytologica* 7, No. 2, March-April, 1963.
- JONES, IRA S.  
Annual Review of the Orbit. *Arch. Oph.*, September, 1963  
Chapter on "X-Ray Diagnosis in Children". *The Internat. Clinics of Oph.*, December, 1963.  
Symposium: Midfacial Fractures, X-ray Findings. *Transact. Am. Acad. of Oph. and Otol.* 67:635.
- JONES, IRA S. joint author with CHAPMAN, GEORGE B. and SPELSBERG, WALTER W.  
An Electron Microscope Study of Rhabdomyosarcoma. *Invest. Oph.*, St. Louis, 2:538.

KANICK, VIRGINIA

Unilateral Superior Vena Caval Obstruction in a Case of Bilateral Superior Venae Cavae. *Radiol.* 80:81.

KANICK, VIRGINIA; FINBY, NATHANIEL

Angio-Conray: A New Angiographic Contrast Agent. *Radiol.* 80:438.

KANICK, VIRGINIA joint author. See HEMLEY, SAMUEL D.

KIGHTLINGER, BENJAMIN N.; SHIMOMURA, SEIICHI; KRSTULOVIC, VELJKO; KITTREDGE, RICHARD D.; BELL, A. L. LOOMIS, JR.

Postvalvular Pulmonary Artery Stenosis. Hemodynamic and Radiological Definition. *Bull. N. Y. Acad. Med.* 39:58.

KITTREDGE, RICHARD D.; ARIDA, EDWARD J.; FINBY, NATHANIEL

The Role of Angiocardiography in Myxedema Heart Disease. *Radiol.* 80, No. 3, March, 1963.

KITTREDGE, RICHARD D.; BURGER, ROBERT H.; FINBY, NATHANIEL; DRAPER, JOHN W.

An Illustration of an Approach to the Diagnosis of Pelvic Disease. *J. Urol.* 89:607.

KITTREDGE, RICHARD D.; HASHIM, SAMI A.; ROHOLT, HARTVIG B.; VAN ITALLIE, THEODORE B.; FINBY, NATHANIEL

Demonstration of Lymphatic Abnormalities in a Patient with Chyluria. *Am. J. Roentgenol., Radium Therapy and Nuclear Med.* 90:159.

KITTREDGE, RICHARD D.; FINBY, NATHANIEL

One Aspect of Splenoportography. Reversal of Flow with Resulting Non-Visualization of the Portal Vein. *Radiol.* 81, No. 2, August, 1963.

KITTREDGE, RICHARD D. joint author. See: HEMLEY, SAMUEL D.

KIGHTLINGER, BENJAMIN N.

KNOX, W. GRAHAM; McCABE, ROBERT E., JR.; ZINTEL, HAROLD A.; STARK, RICHARD B.

Effect of Regional Lymphatic Ablation on Kidney Homograft Survival. *Bull. N. Y. Acad. Med.* 39:804.

KNOX, W. GRAHAM joint author. See: McCABE, ROBERT E., JR.

KRELL, K.; HASHIM, SAMI A.

Measurement of Serum Triglycerides by Thin-layer Chromatography and Infrared Spectrophotometry. *J. Lipid. Res.* 4:407.

KRSTULOVIC, VELJKO joint author. See: KIGHTLINGER, BENJAMIN N.

McCABE, ROBERT E., JR.; KNOX, W. GRAHAM

Phytobezoar in Gastrectomized Patients. *Arch. Surg.* 86:264.

McCABE, ROBERT E., JR. joint author. See: KNOX, W. GRAHAM

MILLER, ROBERT E.; MOSCARELLA, ALFRED A.; FITZPATRICK, HUGH F.

Local Gastric Hypothermia. *Arch. Surg.* 86:272.

- MORACA, JOHN I. joint author. See: ASFOUR, R.
- MOSCARELLA, ALFRED A. joint author. See: MILLER, ROBERT E.
- MUMFORD, ROBERT S.  
An Interdisciplinary Study of Four Wives Who Had Induced Abortions. *Am. J. Obs. and Gyn.*, December 1, 1963, p. 865.
- NAY, HOWARD R. joint author. See: BLAIR, CHARLES R.  
SCHWARTZ, MILES J.
- NEDELJKOVIC, RELJA I. joint author. See: CUSHMAN, PAUL, JR.
- PIERSON, RICHARD N., JR.; DUBIN, MICHAEL R.; SWINTON, NEIL W.; CASE, ROBERT B.  
Circulation Time; Comparison of  $I_{131}$  and Saccharin as Indicators. *Fed. Proc.* 22:523.
- PIOTROWSKI, STANLEY F. joint author. See: SCHWARTZ, MILES J.
- REESE, ALGERNON B.  
Tumors of the Eye. 2nd Edition. New York: Hoeber Medical Division, Harper & Row, Publishers, 1963.  
Tumors of the Eye and Adnexa. *Atlas of Tumor Pathology—A.F.I.P.* 1963 revision
- REESE, ALGERNON B.; ELLSWORTH, ROBERT E.  
The Evaluation and Current Concept of Retinoblastoma Therapy. *Transact. Am. Acad. of Oph. and Otol.* 67:164.
- REESE, ALGERNON B. joint author with WIENER, S.; HYMAN, G. A.  
Chromosome Studies in Retinoblastoma. *Arch. Oph.* 69:311.
- RENNING, ELISE L. joint author. See: JAVERT, CARL T.
- ROHOLT, HARTVIG B. joint author. See: KITTREDGE, RICHARD D.
- ROTH, ROBERT F.; SAUNDERS, DAVID E.; STARK, RICHARD B.; DEHAAN, CLAYTON R.  
Operative Blood Loss in Common Plastic Surgical Procedures. *Plastic and Reconstr. Surg.* 31:399.
- ROVEN, ROBERT B. joint author. See: CASE, ROBERT B.
- RUCKER, CHARLES M. joint author. See: BLAIR, CHARLES R.
- SAUNDERS, DAVID E. joint author. See: DEHAAN, CLAYTON R.  
ROTH, ROBERT F.
- SCHILLING, FRED J.; DOTTI, LOUIS B.; HASHIM, SAMI A.; VAN ITALLIE, THEODORE B.  
Serum Cholesterol and Urinary Excretion of Vanillylmandelic Acid in Man. *Am. J. Clin. Nutr.* 12:334.
- SCHUTTRINGER, G. joint author. See: ASFOUR, R.
- SCHWARTZ, MILES J.; HOPEWELL, WILLIAM S.; PIOTROWSKI, STANLEY F.  
Prepared Saccharin Solution for Study of Circulation Time. *N. Y. State J. Med.* 62:3086.

- SCHWARTZ, MILES J.; NAY, HOWARD R.; FITZPATRICK, HUGH F.  
Pericardial Biopsy. *Arch. Int. Med.* 112:917.
- SCHWARTZ, MILES J. joint author. See: GRIECO, MICHAEL H.
- SEBRELL, W. HENRY, JR. joint author. See: ASFOUR, R.
- SHIMOMURA, SEIICHI joint author. See: KIGHTLINGER, BENJAMIN N.
- SILVER, STUART R.; AKBARI, AHMAD; DRAPER, JOHN W.  
Use of Oxyphenbutazone in Urologic Disorders. *N. Y. State J. Med.* 63:3261.
- STARK, RICHARD B.  
The Regional Lymph Node in the Homograft Reaction. *Am. J. Surg.* 105:219.  
Daniel Drake, Pioneer Medical Educator (Part I). *The Academy Bookman*, 16:1.
- STARK, RICHARD B. joint author. See: KNOX, W. GRAHAM  
ROTH, ROBERT F.
- SWINTON, NEIL W. joint author. See: PIERSON, RICHARD N., JR.
- THOMPSON, FREDERICK R.  
The Role of Hip Fusion in Osteoarthritis. *Clin. Orthop.*, No. 31, chapter 4, p. 24.
- TOVELL, HAROLD M. M.; MANDL, I.; MARKOWITZ, C.; TAYLOR, H. C.  
Heterologous Growth of Ovarian Cancer. *Am. J. of Obs. and Gyn.* 85:74.
- VAN ITALLIE, THEODORE B.; HASHIM, SAMI A.  
Clinical and Experimental Aspects of Bile Acid Metabolism. *Med. Clin. North Amer.* 47:629.
- VAN ITALLIE, THEODORE B.; CHRISTAKIS, GEORGE J.; HASHIM, SAMI A.  
Management of Obesity. In: *Columbia-Presbyterian Therapeutic Talks*, ed. by Southworth, H. and Hofman, F. G., New York, Macmillan, 1963, p. 163.
- VAN ITALLIE, THEODORE B. joint author. See: ASFOUR, R.  
BERGEN, STANLEY S., JR.  
CHRISTAKIS, GEORGE J.  
HASHIM, SAMI A.  
KITREDGE, RICHARD D.  
SCHILLING, FRED J.
- WESTERMANN, COENRAAD D. joint author. See: CUSHMAN, PAUL, JR.
- ZINTEL, HAROLD A. joint author. See: JOHNSON, JOHN R.  
KNOX, W. GRAHAM





# Report of the Nursing Service Department

Josephine P. Whittemore, R.N., B.S., M.A.  
(Director to 1/22/64)

Helen Umano, R.N., B.S., M.A.  
(Director as of 1/22/64)

One of our biggest challenges for 1963 has been in maintaining high quality nursing care in spite of the drain on the nursing staff from 1) the opening of our Intensive Care Unit (14 beds); 2) enlarging our Psychiatric Unit (by 6 beds) and 3) a decrease in service from our student nurses due to curriculum changes.

With much work by many people in many directions, however, we were able to employ more graduate nurses. Our In-Service Education Department was most active during the year in a variety of programs including the orienting of new nurses; a pre-opening Work Shop for all nurses assigned to the Intensive Care Unit; the orienting of nurses to evening and night duty, and general staff education programs. Our need for In-Service training increases with each year, because of the greater complexities of nursing care and curriculum changes of the Schools of Nursing.

One of our most important accomplishments was the completion of the General Information and Procedure Manual. Every form used on the Nursing Units is in the manual with directions for its use. Much information needed is now in writing and cross indexed. Every Nursing Procedure was reviewed before inclusion in the Manual and most were revised.

Our fourteen bed Intensive Care Unit was opened on January 14, 1963. The statement of functions, written by the Chairman of the Intensive Care Unit Committee of the Medical Board, has been a valuable guide for all and serves as an accurate description:

"The Intensive Care Unit on Minturn IV was planned, designed, constructed, equipped, and carefully staffed to care for acutely ill medical and surgical patients whose prospects for recovery are reasonable and further enhanced by the continuous or uninterrupted intensive nursing and medical care provided by such a unit."

The following statistics were taken from our Intensive Care Unit records from January 14, 1963, through December 31, 1963:

### Total Number of Patients

	Ward	Private and Semi-Private
Medicine	140	160
General Surgery	95	87
Neuro-Surgery	3	21
Orthopedics	1	6
Urology	18	14
EENT	8	13
Other	5	
	<hr/>	<hr/>
	270	301
		270
Boarders (Recovery Room Patients)		331
		<hr/>
		902

Total Hours Patients Spent on Unit:	46,509.08 Hours
Average Length of Stay in Hours:	51.50 Hours (or 2.15 days)
Number of Deaths:	126 (13.95%)
Average Daily Patient Census:	5.5 (39.5% occupancy)
Peak Months:	May, November and December



The major diagnoses were as follows:

Congestive Heart Failure & Pulmonary Edema	51
Myocardial Infarct	45
Femoral Arterial By-Pass Grafts	34
Gastro-Intestinal Bleeding	31
Chest & Heart Surgery	29
Cirrhosis, Esophageal Varices, Porto-Caval Shunts	28
Overdoses	26
Laryngectomy & Tracheotomy	20

During 1963 the census twice reached the full capacity of fourteen patients. On one day for a few hours, there were no patients in the Intensive Care Unit. Toward the end of the year, the ward services were using the unit more often.

The physical layout of the unit is excellent and attractive, the equipment excellent, and basic policies excellent. All this, plus co-operation and interest of the doctors and nurses has produced a fine unit.



# Report of the St. Luke's Hospital School of Nursing

Evelyn M. Peck, B.A., M.A., Director

The year 1963 has been an eventful one and the Director of the School of Nursing welcomes this opportunity to report on the year's activities and to thank those in the School and Hospital who have contributed to the growth of the School program.

Highlights of the academic year included the capping of eighty-five students of the class of 1965 on June 27. On September 12, during the seventy-fifth year of the School, the seventy-four members of the class of 1963 were graduated in commencement ceremonies held in the Cathedral of St. John the Divine. The commencement address was delivered by Miss Eleanor C. Lambertson, Chairman of the Department of Nursing Education at Teachers College, Columbia University.

Enrollment during the year averaged 249 students with a freshman class of 101 admitted in September. Interest in St. Luke's continues at a high level and more than 2,500 inquiries were received by the registrar in 1963.

The students maintained an active extra-curricular schedule as usual, and through the student organization sent four representatives to the National Student Nurses Convention in Atlantic City and six representatives to the New York State Convention in New York City. Together with the Alumnae Association, the students collected and sent articles of clothing to the Kentucky Frontier Nursing Service, a

rural service organization established in 1925 by Mary Breckenridge of the class of 1910.

The students also revised the Student Nurse Handbook.

Scholarship aid of various kinds continues as a vital part of the School program, enabling qualified students to meet the costs of their education. In 1963, a total of 94 students were the recipients of some form of scholarship aid. The sources of this aid were as follows:

St. Luke's Hospital Scholarships (established through the generosity of friends)	34
New York Regents Scholarships	28
Scholarships granted at high school graduations by local community agencies	18
Woman's Florist Association of New York	2
Uniform Scholarships	14

The faculty worked hard during the year, particularly in the areas of curriculum evaluation and revision. Meetings were scheduled during the year with Supervisors, Head Nurses and Instructors for the continued review and interpretation of the School program and objectives. The faculty also met during the year to review and evaluate the curriculum changes made in 1962 and to plan for changes to be effected in 1964 and 1965. One of these, a new Maternal and Child Health Program to replace Pediatric Nursing and Obstetric Nursing is scheduled to begin in October 1964.

Fourteen of the faculty attended 30 professional meetings, and regional state and national meetings of professional organizations.

The Faculty In-Service Program for 1963-1964 was planned as a series of four meetings with the general theme of "Curriculum Development." The programs and speakers were as follows:

November 1963: "Curriculum Change"

Guest: Dr. Marcella R. Lawler  
Professor, Teachers College  
Columbia University

- January 1964: "Factors Influencing Curriculum Change"  
Faculty and Nursing Service Personnel
- February 1964: "Selection and Organization of Learning  
Experiences within the Curriculum."  
Guest: Miss Blanche Urey,  
Doctoral Candidate  
Teachers College, Columbia University
- April 1964: "Teaching Methods Within the Curriculum"  
Members of Curriculum Committee  
Faculty Organization

The Faculty will continue its activities which aim toward institution of complete curriculum revision to be placed in effect in September, 1964. It is hoped that the revised curriculum will permit students to complete the entire School program in a shortened period of 138 consecutive weeks.

**Faculty of the  
School of Nursing  
and Officers of the  
Department of Nursing**

*Director, Nursing Service:*

*(to 1/22/64)*

Whittemore, Josephine P., R.N., B.S., M.A.

*Director, Nursing Service:*

*(as of 1/22/64)*

*Assistant Director, Nursing Service:*

*(to 1/22/64)*

Umano, Helen, R.N., B.S., M.A.

*Director, School of Nursing:*

Peck, Evelyn M., R.N., B.S., M.A.

*Assistant Director, Nursing Service:*

*(from 1/22/64)*

*Assistant Director, Psychiatric Service:*

*(to 1/22/64)*

Backus, Joan, R.N., B.S., M.A.

*Assistant Director,*

*Nursing Service, Operating Room:*

Barkin, Louise, R.N.

*Assistant Director, School of Nursing:*

Lowther, Jane, R.N., B.S., M.A.

*Administrative Assistant*

*to Director of Nursing:*

Fitzpatrick, Myrtle W., R.N.

*Administrative Assistant, Staffing:*

Jennings, Eileen, R.N.

*Administrative Assistant,*

*Auxiliary Personnel:*

Hunt, Anne, R.N., B.A., M.A.

*Coordinator,*

*Exchange Visitor Program:*

*(to 3/30/64)*

Pritchard, Edith M. F., R.N., B.S., M.A.

*Coordinator,*

*Exchange Visitor Program:*

*(from 3/30/64)*

Weed, Marcia, R.N., B.S.

*Coordinator,*

*Inservice Education, Professional:*

Reardon, Dorothy, R.N., B.S.

*Coordinator,*

*Community Activities and Nursing:*

Ahl, Vivian J., R.N., B.S., M.A.

*Administrative Supervisor,*

*Nursing, Evening:*

Moor, Dorothy, R.N.

*Administrative Supervisor,*

*Nursing, Night:*

Hoskin, Margaret, R.N.

*Supervisor of Nursing,*

*Private Patients:*

Hamilton, Dorothy, R.N.

Abrahamsen, Christine, R.N., B.S., M.A.

*Assistant Coordinator,*

*Exchange Visitor Program*

*(as of 4/6/64)*

Arbuckle, Billie, R.N., B.S.

*Nursing Instructor*

Arnott, Mary, R.N.

*Assistant Supervisor of Nursing,*

*Private Patients*

Avella, Frances Lee, R.N., B.S., M.A.

*Senior Nursing Instructor*

Balinson, Myra S., B.S., M.A.

*Clinical Psychologist*

*and Psychology Instructor*

Bambrick, Prudence, R.N., B.S.

*Head Nurse, Medical*

*Ward Patients*

Bottinger, Dorothy, R.N.

*Head Nurse, Surgical Ward Patients*

Brewer, Frances H., R.N., B.A., M.A.

*Supervisor,*

*Nursing Equipment Department*

Brown, Agnes J., R.N., B.S., M.A.

*Senior Nursing Instructor*

Clarey, Barbara, R.N., B.S.

*Supervisor, Pediatric*

*Patients*

Clayton, Dolores, R.N.

*Assistant Supervisor,*

*of Nursing, Night*

- Cocking, Christine, R.N.  
*Assistant Supervisor  
of Nursing, Evening*
- Cooper, Velda, R.N.  
*Assistant Administrative  
Supervisor, Evening*
- Daury, Marie, R.N.  
*Head Nurse, Pediatric Patients*
- Dietz, Ruth, R.N., B.S.  
*Head Nurse, Medical  
Ward Patients*
- Dittmar, Ruth, B.A., R.N., M.A., M.S.  
*Senior Science Instructor*
- Dixon, Anne, R.N.  
*Assistant Supervisor of Nursing, Night*
- Dodge, Beverly, R.N., B.S.  
*Supervisor, Surgical Specialties*
- Dondero, Anne, R.N., B.S.  
*Assistant Nursing Instructor,  
Obstetrics*
- Dower, Phyllis, R.N., B.S.  
*Assistant Coordinator,  
In-Service Education, Professional*
- Edwards, Barbara, R.N.  
*Assistant Supervisor of Nursing,  
Evening*
- Essenfeld, Margaret, R.N.  
*Assistant Supervisor of Nursing,  
Private Patients*
- Fox, Regina, R.N.  
*Assistant Supervisor of Nursing, Night*
- Fraser, Alice, R.N., B.S.  
*Head Nurse, Intensive Care Unit*
- Fuller, Anita, R.N., B.S.  
*Assistant Nursing Instructor*
- Gidley, Leena, R.N.  
*Head Nurse, Private Patients*
- Goldberg, Renee, R.N.  
*Assistant Supervisor of Nursing,  
Evening*
- Gunn, Helena, R.N.  
*Assistant Supervisor of Nursing,  
Evening*
- Hanna, Patricia, R.N.  
*Head Nurse,  
Orthopedic Ward Patients*
- Hansen, Karen, R.N., B.S.  
*Assistant Nursing Instructor*
- Haslup, Martha W., R.N., B.S., M.A.  
*Supervisor, Medical Services*
- Hausaman, Ethel, R.N.  
*Head Nurse, Private Patients*
- Hills, Linda Anne, R.N., B.S.  
*Assistant Nursing Instructor,  
Pediatrics*
- Holtz, Janice D., R.N., B.S.  
*Assistant Nursing Instructor*
- Howard, Jane, R.N.  
*Head Nurse,  
Semi-Private Patients*
- Jacoby, Louise, R.N.  
*Assistant Supervisor of Nursing, Night*
- Jones, Elizabeth, R.N.  
*Head Nurse, Surgical  
Ward Patients*
- Karl, Anne, R.N.  
*Head Nurse, Emergency Room*
- Knowlton, Harriett, R.N., B.S.  
*Nursing Instructor, Obstetrics*
- Kozlowski, Margaret, R.N.  
*Operating Room Instructor*
- Kydd, Janet, R.N.  
*Head Nurse, Semi-Private Patients*
- Lannon, Mary S., R.N., B.A., M.S.  
*Supervisor, Student Health Service*
- Latham, Winifred, R.N.  
*Head Nurse, Private Patients*
- Leuchtag, Emilie, R.N., B.S., M.A.  
*Supervisor, Day  
Relief*
- Lundy, Margaret, R.N., B.S., M.A.  
*Nursing Instructor*
- Mannier, Marianne, R.N.  
*Head Nurse, Urology Patients*
- Mark, Ann, R.N.  
*Head Nurse, Private Patients*



Martin, Alice M., R.N., B.S., M.A.  
*Science Instructor*

Minnaman, Susan, R.N.  
*Head Nurse, Medical Ward Patients*

Munroe, Joan Valerie, R.N.  
*Assistant Nursing Instructor, Night*

Neuman, Judith, R.N.  
*Head Nurse, Semi-Private Patients*

Odland, Barbara, R.N.  
*Head Nurse,  
Columbia University Infirmary*

Oothout, Gertrude, R.N.  
*Head Nurse, Private Patients*

Pearce, Edith, R.N., B.S.  
*Head Nurse, Recovery Room*

Pekrul, Jeannine, B.S.  
*Teaching Nutritionist*

Periera, Hilda, R.N., B.S.  
*Assistant Supervisor of Nursing,  
Operating Room*

Pieper, Carol, B.S.  
*Social and Recreational Director*

Pise, Eleanor, M., R.N., B.S., M.A.  
*Registrar, School of Nursing*

Ramsay, Annie, R.N.  
*Head Nurse, Private Patients*

Riley, Audrey, R.N.  
*Head Nurse, Private Patients*

Rudolph, Carolyn B., R.N.  
*Assistant Nursing Instructor*

Sacher, Jack, A.B., M.A.  
*Director, Musical Activities*

Savage, Lois, R.N.  
*Head Nurse, Ward, EENT Patients*

Scott, Marjorie, R.N.  
*Assistant Science Instructor*

Steele, Shirley, R.N., B.S., M.A.  
*Nursing Instructor, Pediatrics*

Sudol, Lorraine, R.N., B.S.  
*Supervisor, Surgical Services*

Swenson, Gladys E., B.A.  
*Librarian, School of Nursing*

Tames, Brenda, R.N.  
*Head Nurse, Semi-Private Patients*

Veldman, Barbara, R.N., B.S.  
*Assistant Supervisor of Nursing,  
Evening*

Viola, Andrea, R.N.  
*Head Nurse, Surgical Ward Patients*

Wacker, Carrie C., R.N., B.S.  
*Assistant Nursing Instructor*

Waitkus, Judith K., R.N.  
*Assistant Nursing Instructor*

Wallace, Cynthia, R.N.  
*Assistant Supervisor of Nursing, Night*

Walmsley, Marion, R.N., B.S., M.A.  
*Head Nurse, Private Patients*

Weisberger, Margaret, R.N.  
*Head Nurse, Psychiatric Patients*

Wilcke, Inge, R.N., B.S.  
*Head Nurse, Semi-Private Patients*

Zeilman, Helen, R.N.  
*Head Nurse, Pediatric Patients*

Zepatos, Gloria, R.N., B.S.  
*Instructor, Operating Room,  
Exchange Visitor Program*

## Alumnae Association of St. Luke's Hospital School of Nursing—1964

*President:*

Frances Billings

*Vice-President:*

Cynthia Wallace

*Recording Secretary:*

Phyllis Dower

*Corresponding Secretary:*

Bette Hesse

*Treasurer:*

Ruth Dittmar

*Assistant Treasurer:*

The Hanover Bank

## Woman's Hospital Nurses' Alumnae Association, Inc.

*President:*

Mrs. George H. Cobham

*Vice-President:*

Mrs. James J. Corbett

*Secretary:*

Mrs. Lester E. Roff

*Treasurer:*

Mrs. Joseph M. Grohol

## Woman's Hospital

*Director of Nursing:*

Collier, Gwendoline, R.N., B.S.

*Administrative Supervisor of Nursing, Evening:*

Mawhinney, Patricia, R.N., B.S.

*Administrative Supervisor of Nursing, Night:*

Sinclair, Margaret, R.N.

*Assistant Supervisor of Nursing, Night:*

Sweeny, Edith, R.N.

*Supervisor of Nursing, Nurseries:*

Havinga, Johanna, R.N., B.S., M.A.

*Supervisor of Nursing, Obstetrics:*

Ruffin, Lula, R.N., B.S., M.A.

*Supervisor of Nursing, Gynecology:*

McHugh, Eleanor, R.N., B.S.

*Supervisor, Out-patient Department:*

Biren, Charlotte, R.N., B.S.

*Supervisor, Operating Room*

Lawrence, Averil, R.N.

*Head Nurse, Delivery Room:*

Lopez, Angela, R.N.

*Head Nurse, Delivery Room, Night:*

Horton, Loretta, R.N.

*Head Nurse, Private Obstetrics:*

Gobert, Adele, R.N.

*Head Nurse, Ward Obstetrics:*

Goff, Irene, R.N.

*Head Nurse, Ward Nurseries:*

Aber, Cynthia, R.N., B.S.

*Head Nurse, Private Nurseries:*

Martin, Leona, R.N.

*Head Nurse, Premature Nursery:*

Danielson, Barbara, R.N., B.S.

*Head Nurse, Recovery Room*

McEvoy, Mary, R.N.

*Head Nurse, Ward Surgery:*

Lewis, Evelyn, R.N.

*Head Nurse, Ward Surgery:*

Morgan, Dorothy, R.N.

*Head Nurse, Private Surgery:*

Gonzalez, Maria, R.N.



# Auditors' Certificate

To the Board of Trustees  
St. Luke's Hospital  
New York, New York

We have examined the balance sheet of St. Luke's Hospital as of December 31, 1963, and the related statement of income and expense for the year then ended. Our examination was made in conformity with generally accepted auditing standards and accordingly included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances.

All securities owned by the hospital at December 31, 1963 were held by the Manufacturers Hanover Trust Company as custodian. We received a certified schedule of the investments so held from this trust company, and verified that the securities listed were in agreement with the details of investments shown by the records of the hospital as of that date. Income from interest, dividends and rents for the year under review are stated as shown in the records of the custodian.

In our opinion, subject to the foregoing, the accompanying balance sheet and statement of income and expense, together with footnotes, fairly present the financial position of St. Luke's Hospital at December 31, 1963 and the results of its operations for the year then ended, in accordance with generally accepted accounting principles applied on a basis consistent with that of the preceding year.

MacNICOL, JOHNSON & CO.  
Certified Public Accountants

New York, New York  
May 12, 1964

# St. Luke's Hospital

General and Convalescent Hospitals

## Comparative Balance Sheet as of December 31, 1963 and December 31, 1962

ASSETS		1963	1962
<b>General Fund</b>			
Cash in banks and on hand .....	\$	66,433.42	\$ 209,029.34
Accounts receivable:			
Due from patients .....	\$	2,167,141.42	\$ 1,581,764.48
Less: Allowance for uncollectible accounts .....		487,066.31	421,174.60
Due from patients—net .....	\$	1,680,075.11	\$ 1,160,589.88
Due from Blue Cross plans .....		242,536.43	139,208.42
Due from City of New York .....		583,312.74	457,057.49
Miscellaneous accounts receivable .....		48,867.81	81,647.24
Inter-hospital accounts receivable or (payable) .....		(10,693.19)	(15,861.02)
Total Accounts Receivable, less Allowance for Uncollectible Accounts .....	\$	2,544,098.90	\$ 1,822,642.01
Investments .....		20,681.24	29,341.63
Inventories of supplies .....		214,093.12	222,305.69
Prepaid expenses .....		96,831.35	56,956.54
Building improvement in progress .....		142,877.53	
Total .....	\$	3,085,015.56	\$ 2,340,275.21
<b>Unrestricted Reserve Fund</b>			
Cash in bank .....	\$	136,474.74	\$ 95,984.41
Investments .....		2,265,187.87	2,375,936.07
	\$	2,401,662.61	\$ 2,471,920.48
<b>Endowment Funds (book value)</b>			
General and Restricted Endowment Funds:			
Cash in bank .....	\$	65,716.33	\$ 89,710.21
Investments .....		21,762,553.49	19,099,397.94
Total .....		\$21,828,269.82	\$19,189,108.15
Less: Temporary funds' undivided interest .....		368,219.80	352,429.64
Net Assets .....		\$21,460,050.02	\$18,836,678.51
The A. Van Horne Stuyvesant Memorial Fund:			
Cash in bank .....	\$	3,286.34	\$ 7,818.45
Investments .....		5,690,037.78	5,629,353.62
Building and equipment—Stuyvesant Pavilion (Less accumulated depreciation) .....		2,992,724.20	3,101,326.12
Total .....	\$	8,686,048.32	\$ 8,738,498.19
Total .....		\$30,146,098.34	\$27,575,176.70
<b>Temporary Funds for Designated Purposes</b>			
Cash in bank .....	\$	308,955.00	\$ 504,350.85
Investments .....		226,486.05	223,890.14
Undivided interest in Endowment Funds Assets .....		368,219.80	352,429.64
Due from General Fund .....		400,000.00	—
	\$	1,303,660.85	\$ 1,080,670.63
<b>Dual Century Fund</b>			
Cash in banks .....	\$	929,147.28	\$ 496,854.93
Investments .....		311,215.83	512,103.30
Pledges receivable .....		1,387,322.52	1,713,713.72
Construction in progress .....		3,256,173.93	902,848.67
Total .....	\$	5,883,859.56	\$ 3,625,520.62
<b>Plant Fund</b>			
Hospital properties and equipment (Less accumulated depreciation)...		\$11,118,019.31	\$11,269,154.09
Total .....		\$11,118,019.31	\$11,269,154.09
TOTAL ASSETS .....		\$53,938,316.23	\$48,362,717.73

# Balance Sheet

## Comparative Balance Sheet as of December 31, 1963 and December 31, 1962

### LIABILITIES AND FUND BALANCES

	1963	1962
<b>General Fund</b>		
Accounts payable .....	\$ 431,383.97	\$ 355,061.25
Accrued salaries payable .....	285,514.89	224,274.46
Payroll taxes withheld and accrued .....	171,063.44	163,302.10
Due to Temporary Funds for Designated Purposes .....	400,000.00	—
Other liabilities .....	59,662.49	56,703.57
<i>Total Liabilities</i> .....	<i>\$ 1,347,624.79</i>	<i>\$ 799,341.38</i>
Unexpended balance of The Ford Foundation grant .....	20,944.14	22,522.65
Unexpended balance of special appropriations .....	289,485.85	125,774.35
General Fund balance .....	1,426,960.78	1,392,636.83
<i>Total</i> .....	<i>\$ 3,085,015.56</i>	<i>\$ 2,340,275.21</i>
 <b>Unrestricted Reserve Fund</b>		
Principal .....	\$ 2,401,662.61	\$ 2,471,920.48
 <b>Endowment Funds</b>		
General and Restricted Endowment Funds:		
Principal		
General Endowment Funds .....	\$13,227,460.00	\$10,729,208.27
Restricted Endowment Funds .....	8,232,590.02	8,107,470.24
<i>Total</i> .....	<i>\$21,460,050.02</i>	<i>\$18,836,678.51</i>
The A. Van Horne Stuyvesant Memorial Fund		
Principal .....	\$ 8,686,048.32	\$ 8,738,498.19
<i>Total</i> .....	<i>\$ 8,686,048.32</i>	<i>\$ 8,738,498.19</i>
<i>Total</i> .....	<i>\$30,146,098.34</i>	<i>\$27,575,176.70</i>
 <b>Temporary Funds for Designated Purposes</b>		
Unexpended income from Restricted Endowment Funds .....	\$ 213,036.57	\$ 185,328.44
Unexpended donations for designated purposes .....	1,090,624.28	895,342.19
	<i>\$ 1,303,660.85</i>	<i>\$ 1,080,670.63</i>
 <b>Dual Century Fund</b>		
Due to Woman's Hospital Unrestricted Reserve Fund .....	\$ 200,000.00	\$ 200,000.00
Dual Century Fund reserve .....	5,683,859.56	3,425,520.62
<i>Total</i> .....	<i>\$ 5,883,859.56</i>	<i>\$ 3,625,520.62</i>
 <b>Plant Fund</b>		
Loans payable .....	\$ 525,000.00	\$ 550,000.00
Plant capital .....	10,593,019.31	10,719,154.09
<i>Total</i> .....	<i>\$11,118,019.31</i>	<i>\$11,269,154.09</i>
<b>TOTAL LIABILITIES AND FUND BALANCES</b> .....	<b>\$53,938,316.23</b>	<b>\$48,362,717.73</b>

# St. Luke's Hospital

General Hospital in New York

## Comparative Statement of Income and Expense for the Years Ended December 31, 1963 and December 31, 1962

	1963	1962
<b>Net Operating Income</b> .....	\$ 9,285,150.16	\$7,775,173.04
<b>Operating Expenses</b>		
Salaries, wages and fees .....	7,726,558.55	6,534,411.53
Supplies, expenses and food .....	3,332,633.23	3,026,489.63
Recovery of expenses (deducted) .....	(252,235.60)	(237,497.68)
Net Operating Expenses .....	10,806,956.18	9,323,403.48
Net Operating Loss .....	1,521,806.02	1,548,230.44
<b>Supplementary Income</b>		
Income from Investments of:		
General Endowment Fund .....	524,604.90	486,219.63
Unrestricted Reserve Fund .....	92,472.90	66,125.99
The A. Van Horne Stuyvesant Memorial Fund .....	301,170.84	307,121.76
Unexpended donations for designated purposes .....	3,816.32	3,763.68
Income from various trusts and estates .....	67,647.38	56,431.99
United Hospital Fund .....	35,174.00	47,525.00
Greater New York Fund .....	57,691.00	86,648.00
Appropriated from temporary funds for designated purposes .....	256,625.79	243,806.36
Appropriated from unexpended special appropriations .....	229,185.12	185,711.27
Donations for general purposes .....	111,714.52*	116,002.80*
Annual subscriptions for support of beds .....	12,500.00	12,500.00
Hospitality Shop, net profit (loss) .....	(6,614.08)	1,131.08
Net profit on sales of securities .....	535.91	—
Social Service Department Income:		
Appropriated from temporary funds for designated purposes .....	19,230.16	17,869.95
United Hospital Fund .....	4,695.00	3,789.00
Greater New York Fund .....	19,742.00	24,424.00
Donations, dues and miscellaneous .....	27,300.91	17,407.01
Total Supplementary Income .....	1,757,492.67	1,676,477.52
Profit before Non-Operating Expenses .....	235,686.65	128,247.08
<b>Non-Operating Expenses</b>		
Public relations and appeals for funds .....	62,333.79	62,001.83
Profit before Provision for Depreciation .....	173,352.86	66,245.25
<b>Provision for Depreciation</b>		
Depreciation of buildings .....	315,632.02	300,295.28
Depreciation of equipment .....	229,275.52	200,481.89
Total Provision for Depreciation .....	544,907.54	500,777.17
Excess of Expenses over Income for the Year .....	\$ 371,554.68	\$ 434,531.92

\*During the years 1963 and 1962, donations for general purposes in the amount of \$19,753.00 and \$17,209.00, respectively, received by the General Hospital, were allocated to the Woman's Hospital by action of the Board of Trustees.



# St. Luke's Hospital

General Hospital and Convalescent Hospital

## Condensed Statement of Income and Expense for the Year Ended December 31, 1963

	General Hospital New York	Convalescent Hospital Greenwich, Conn.	Total
<b>Operating Income</b>			
Income from Patients:			
Private patients .....	\$ 2,162,085.87	\$ —	\$ 2,162,085.87
Semi-private patients .....	2,749,144.90	—	2,749,144.90
Ward patients .....	3,186,093.12	296,038.60	3,482,131.72
Psychiatric patients .....	391,938.22	—	391,938.22
Referred patients .....	232,387.14	—	232,387.14
Out-patient departments .....	494,075.90	—	494,075.90
Income from Patients .....	\$ 9,215,725.13	\$ 296,038.60	\$ 9,511,763.75
Deduct: Provision for uncollectible accounts .....	125,000.00	3,000.00	128,000.00
Net Income from Patients .....	\$ 9,090,725.15	\$ 293,038.60	\$ 9,383,763.75
<b>Other Operating Income</b>			
Training school fees .....	\$ 45,028.08	\$ —	\$ 45,028.08
Recoveries on accounts written off .....	1,258.92	—	1,258.92
Discount on purchases .....	16,873.42	268.66	17,142.08
Sales of materials, supplies and scrap .....	6,521.32	1,242.11	7,763.43
Rents and commissions .....	33,399.77	85.00	33,484.77
Services charged to research grants .....	74,480.47	—	74,480.47
Miscellaneous .....	16,863.03	3,212.69	20,075.72
Total Other Operating Income .....	\$ 194,425.01	\$ 4,808.46	\$ 199,233.47
Net Operating Income .....	\$ 9,285,150.16	\$ 297,847.06	\$ 9,582,997.22
<b>Operating Expenses</b>			
Professional care of patients—general and nursing .....	\$ 3,482,585.93	\$ 226,811.17	\$ 3,709,397.10
Special service departments .....	1,925,296.95	48,733.29	1,974,030.24
Out-patient department .....	414,133.56	—	414,133.56
Social Service department .....	127,308.72	—	127,308.72
Dietary department .....	1,077,465.85	119,271.33	1,196,737.18
Housekeeping department .....	455,317.80	41,979.03	497,296.83
Laundry and linen room .....	357,037.22	15,931.97	372,969.19
Maintenance of personnel .....	231,239.27	—	231,239.27
Maintenance and operation of plant and general equipment .....	1,136,218.93	80,628.44	1,216,847.37
Administration and general .....	1,852,587.55	84,596.24	1,937,183.79
Real estate and personal property taxes .....	—	18,674.30	18,674.30
Recovery of expenses (deducted) .....	(252,235.60)	(21,706.46)	(273,942.06)
Net Operating Expenses .....	\$10,806,956.18	\$614,919.31	\$11,421,875.49
Net Operating Loss .....	\$ 1,521,806.02	\$317,072.25	\$ 1,838,878.27
<b>Supplementary Income</b> .....	1,757,492.67	220,730.31	1,978,222.98
Profit (Loss) Before Non-Operating Expenses .....	\$ 235,686.65	\$(96,341.94)	\$ 139,344.71
<b>Non-Operating Expenses</b> .....	62,333.79	—	62,333.79
<b>Profit (Loss) Before Provision for Depreciation</b> .....	\$ 173,352.86	\$(96,341.94)	\$ 77,010.92
<b>Provision for Depreciation</b>			
Depreciation of buildings .....	\$ 315,632.02	\$ 17,177.25	\$ 332,809.27
Depreciation of equipment .....	229,275.52	8,866.36	238,141.88
Total Provision for Depreciation .....	\$ 544,907.54	\$ 26,043.61	\$ 570,951.15
<b>Excess of Expenses over Income for the Year</b> .....	\$ 371,554.68	\$122,385.55	\$ 493,940.23

# Our Benefactors...

The following pages list the names of many of the generous friends of the Hospital who have contributed to the support of the various special needs of St. Luke's. Benefactors of one hundred dollars or more are listed by name. While space does not permit the listing of the many more contributors of gifts of smaller amounts, our appreciation is nonetheless great. That St. Luke's has been able to maintain its high standards of patient care is due largely to the continued interest and loyalty of all contributors. The Board of Trustees, on behalf of the professional staffs and all the Hospital personnel gratefully acknowledges this financial assistance.

Note | Due to limited space we are unable to list the names of 2,710 donors who contributed amounts less than \$100. | Contributors to the Dual Century Fund are not listed in this Report. A special report of those generous friends of the Hospital will be published soon.

## Gifts for General Purposes – 1963

### General Hospital and Convalescent Hospital

Gifts of \$1,000 and over .....	30
Gifts of \$500 to \$1,000 .....	22
Gifts of \$200 to \$500 .....	18
Gifts of \$100 to \$200 .....	82
Gifts of \$50 to \$100 .....	46
Gifts under \$50 .....	1,492
Total Number of Donations .....	1,690
Total Amount Contributed .....	\$128,399.78

## Memorial Gifts

*Gifts were given in memory of the following:*

Mr. Louis Arce  
 Mr. John Athos  
 Ralph L. Barrett, M.D.  
 William H. Berry, M.D.  
 Mr. S. Curtis Bird  
 Mr. Frank Blancato  
 Mrs. Cassimir T. Bleuel  
 Miss Anna T. Bogue  
 Wesley C. Bowers, M.D.  
 The Rev. Roelif H. Brooks, D.D.  
 Mr. Steward R. Bross  
 Mrs. Angelena Byer  
 Miss Mary G. Conway  
 Mrs. Lincoln Cromwell  
 Mr. Arthur DeNatale  
 Miss Brooke Dennis  
 Mrs. Judith Englander  
 Mr. Thomas Fagan  
 Mr. Emil Feichtmann  
 Gertrude A. Ferguson  
 Mr. David R. Forgan  
 Lloyd H. Gaston, M.D.  
 Mrs. Elizabeth H. Gibbons  
 Mr. Gardner F. Gillespie, Sr.  
 W. H. Glafke, M.D.  
 Mr. Robert Walton Goelet  
 Mr. Walter B. Gormly  
 Mr. Isidore Gottlieb  
 Mrs. Belle K. Graham  
 Mr. Henry Grillo  
 Joseph Hajek, M.D.  
 Mr. William J. Hammerslough  
 Mr. Samuel Harris  
 Dr. Wolfgang Hess  
 Mr. Aaron G. Hill  
 Ralph A. Hurd, M.D.  
 Mr. Oliver Iselin  
 John H. Keating, Sr., M.D.

President John F. Kennedy  
 Mr. George Kent  
 Mr. Samuel Kessler  
 Mrs. Irving B. Kingsford  
 Mr. Jens C. Kjaer  
 Frederick Knowles, M.D.  
 Mrs. Anastasia Kords  
 The Rev. Arthur V. Litchfield  
 Mrs. Leland Mamer  
 Mr. Andrew Meurer  
 Mrs. Kathryn Miles  
 Mrs. Cecile Mills  
 Mrs. Helen Nathan  
 Mrs. Anna Newman  
 Mr. Frederic J. Palmer  
 Mrs. Leonie Penin  
 Mrs. Benjamin Priest  
 Mr. John T. Pulling, Jr.  
 Mrs. Katie Reavis  
 Mr. and Mrs. William Reeves  
 Mr. J. Gould Remick  
 Mr. William A. Robins  
 Dr. Beverley Robinson  
 Mrs. Aurelia Saedich  
 The Hon. Jacob Gould Schurman  
 Mrs. Marie C. Sedelmeier  
 Mrs. Elizabeth Van Leer Sharp  
 Mrs. Elizabeth Smith  
 Robert Sparacio, Jr.  
 Harriet Stires  
 Miss Mary E. Taylor  
 Mr. LeRoy Van Holsen, Sr.  
 Mr. Arthur D. Walters  
 Mr. James McBarron Webster  
 Mrs. Charles S. White  
 Mrs. Berta Wilhelm  
 Frederick H. Wilke, M.D.

# Contributors to General and Special Funds 1963

## General Hospital and Convalescent Hospital

### \$1000 and over

Ackerman Memorial Fund, G. A.  
Alexander, Mr. Douglas H.  
American Cancer Society  
American Cyanamid Company  
American Heart Association, Inc.  
Anonymous (6)  
Arthritis and Rheumatism Foundation, Inc.  
Babcock Foundation, Inc., Mary Reynolds  
Bingham, Mr. Harry P., Jr.  
Blagden, Mrs. A. S., Jr.  
Bostwick, Mr. Albert C.  
Brewster, Mrs. George S.  
Brown, Mr. R. Y.  
Bunker, Mr. Arthur Hugh  
Burford, G. Edgar, M.D.  
Butler, Mr. Howard Russell  
Byers, Mrs. John F., Jr.  
Cartwright, Mr. Aubrey  
Church Committee  
Clemens Fund Inc., Marie Heye  
Coleman, Mr. John A.  
Coleman, Mr. Stewart P.  
Conroy, Mrs. Williams H.  
Corey, Mrs. Alan L., Jr.  
Cromwell, Mr. Jarvis  
Davison, Bequest of Margaret Brouwer  
Eaton Laboratories  
Garvan, Mrs. Francis P.  
Garver, Mr. Chauncey  
Goldsmith Trust, Carolyn Lathrop  
Grace Institute of New York  
Grace, Mrs. W. R.  
Hammerslough, Estate of William J.  
Hartford Foundation, The John A.  
Hartley Corporation  
Health Research Council of New York  
Hoadley, Mrs. Hazel  
Holebrook, Mr. and Mrs. Gerald C.

Holloway, Mrs. William G.  
Huber Foundation  
Jennings, Mrs. Oliver G.  
Junior League of Greenwich, Conn., Inc.  
Klein, Mr. Herbert Homer  
Leland Trust for  
Charitable Purposes, Maude A.  
Life Insurance Medical Research  
Mallinckrodt Chemical Works  
Manice, Mrs. Hayward F.  
McCurdy, Mrs. Matilda  
Mead Johnson Laboratory  
Merck, Sharp and Dohme  
Research Laboratories  
Merrill Trust, The Charles E.  
Morgenstern Foundation, Morris  
New York Heart Association, Inc.  
Norfleet, Miss Grizzelle  
Nutrition Foundation, Inc.  
Parker Charitable Trust, The Minnie  
Peters, Miss Isabel M.  
Petry and Co. Inc., Edward  
Phillips Foundation, Charlotte Palmer  
Phipps Charitable Foundation, Howard  
Physicians Products Co., Inc.  
Remick, Miss Eleanor H.  
Remick, Mrs. J. Gould  
Richard Foundation, Inc., George N.  
Ryan, Mrs. Mary Lea Johnson  
St. Andrews Convalescent Hospital  
Schieffelin, Mr. William Jay  
Schilling, Mr. Fred J.  
Schweckendieck Trusts, Edith M.  
Scott Trust, George H.  
Smith, Estate of Nellie M.  
Snyder Fund, Valentine Perry  
Stark, Richard B., M.D.  
Stone Foundation, Stanley and Polly  
Stony Wold Corporation  
Stout, Mr. A. Varick  
Stout, Mr. Bayard D.  
Strasburger Memorial Medical Foundation,  
The Irwin

Swords, Mr. Jacquelin  
 Talcott Fund, Inc., James  
 Thomas, Samuel Finley, M.D.  
 Treadwell, The Brig. and Mrs. John W. F.  
 Trinity Church in the City of New York  
 Upjohn Company  
 Vander Poel, Mr. and Mrs. William H.  
 Warshaw, Mr. Robert S.  
 White, Mrs. John Campbell  
 Whitehall Foundation, Inc.  
 Whitney & Co., J. H.  
 Wildner Foundation, Inc.  
 Winthrop Laboratories

#### \$500 to \$1000

Ada, Alexander E. W., M.D.  
 Alexander, Miss Helen D.  
 Altman Foundation  
 Anonymous (1)  
 Baldwin, Mrs. Robert H.  
 Beekman Family Association, Inc.  
 Blancato, Louis, M.D.  
 Bowers, Mrs. Wesley C.  
 Chapin, Mrs. Charles Merrill  
 Coe, Mr. George V.  
 Culpeper Foundation Inc., Charles E.  
 Danziger Trust, Abraham L.  
 Debevoise, Mrs. E. Whitney  
 Ecuadorian Corporation, Ltd.  
 Finby, Nathaniel, M.D.  
 French, Mrs. Edward D.  
 Giblin, Col. and Mrs. Walter M.  
 Greenwich Junior Woman's Club, Inc  
 Hallan, Mr. Arthur C.  
 Harrower, Mr. and Mrs. Gordon  
 Horn, Mrs. Betty Stoddard  
 I.B.M. Corporation  
 I.M.M. Charities  
 Klee Fund Inc., Elsie and David  
 Kuehn, Mr. C. C.  
 Livingston, Mrs. Joan  
 Lord, Mrs. Oswald B.  
 Markle, Mrs. Nancye  
 Matthews, Mr. Hiram A.  
 McClarity, Mr. H. C.  
 Meyand, Estate of Edith  
 Moore, Mr. Roy W., Jr.  
 Newton, Mr. Maurice  
 Noble Foundation, Edward John  
 Oaklawn Foundation  
 Parsons, Herbert, M.D.

Reese, Mr. Willie  
 Rice, Mr. Anton H.  
 Riverside Church  
 St. George Society of New York  
 Smith, Dr. and Mrs. Herbert J.  
 Society for the Relief of Women and Children  
 Swan and Co., Inc., John L.  
 Tate, Mrs. H. C.  
 Weybright, Mr. Victor  
 Wilson, Mr. Orme  
 Wyman, Mr. Frank H.  
 Youth's Friends Association, Inc.  
 Zintel, Harold A., M.D.

#### \$100 to \$500

Aborn, Mr. Julius  
 American Irving Savings Bank  
 Anderson, Mr. Robert  
 Andrews, Mr. James W.  
 Anonymous (4)  
 Appleton, Mr. Francis R.  
 Berenson, Mr. Lawrence  
 Blank Foundation, Morris and Sadie  
 Blough, Earl, M.D.  
 Bonyng Memorial Fund, M. Alida  
 Bowdoin, Mr. George T.  
 Bowers, Mr. Wesley C., Jr.  
 Bowler, Mr. Harold  
 Boyd, Mr. and Mrs. Hugh N.  
 Bradley, Mr. and Mrs. Albert  
 Brookfield, Mrs. Henry M.  
 Brooks, Mr. and Mrs. Chester E.  
 Brown, Mrs. Colvin  
 Brown, Mr. Gavin M.  
 Bunker, Miss Dorothy C.  
 Burns, Mrs. William G.  
 Camp, Mr. Kingsland  
 Campbell, Mr. and Mrs. Joseph  
 Case, Robert B., M.D.  
 Choate, Mr. Arthur O., Jr.  
 Christie, Mr. Gerald E.  
 Chu, Mrs. Lucy  
 Clark, Mrs. William Andrews  
 Class of 1963  
 Contant, Mrs. Grace  
 Coyle, Mrs. Vincent J.  
 Cramer, Mr. Morgan J.  
 Cromwell, Estate of Mabel S.  
 Cutler, Mr. and Mrs. Howard  
 Davila, Mr. Sergio  
 Deatley, Mr. William H.

Dewey Fund, Thomas E.  
 Draper, John W., M.D.  
 Dunlap, Mr. Charles E.  
 Forgan, Mrs. J. Russell  
 Fosburgh Fund, Inc.  
 Fox, Louis, M.D.  
 Frelinghuysen, Miss Matilda E.  
 Gavin, Helen, M.D.  
 Geer, Francis G., M.D.  
 Grolz, Mrs. John W. and Miss Margaret  
 Hall, Rosemary  
 Harris, Messrs. Edmund, Herbert and Irving  
 Haynes, William F., Jr., M.D.  
 Hemley, Samuel D., M.D.  
 Herrick, Mr. Martin R.  
 Hess, Mrs. H. Bellas  
 Hibbs, Mrs. Russell A.  
 Hirsh, Mr. Jules  
 Hoit, Mrs. Alice G.  
 Holloway, Mr. Bernard  
 Houston, Mrs. Robert L.  
 Jarvis, Miss Edith L.  
 Kanick, Virginia, M.D.  
 Keheley, Mr. and Mrs. Lewis  
 Kingsford, Mr. Irving B.  
 Kittredge, Richard, M.D.  
 Lawrence, Mrs. Rowena B.  
 Liegner, Leonard M., M.D.  
 Lloyd, Mr. and Mrs. Herbert  
 Lohr, Mr. Charles H., Jr.  
 Lowe, Mr. and Mrs. Gerald, Jr.  
 Lynn, Mr. and Mrs. Vernon, R. Y.  
 MacFarlane, Mrs. John  
 Madden, Mrs. Elizabeth  
 Marcus, Mr. Jefferson H.  
 Maxfield, Miss Kathryn  
 McCulloch, Mr. R. M.  
 McGrath, Mrs. J. Wade  
 McHugh, Mr. Thomas F.  
 Melamid, Mr. and Mrs. George  
 Mellon, Miss Eleanor M.  
 Metzger, Mr. and Mrs. Herbert  
 Meyeringh, Mr. Petrus W.  
 Michelman, Mr. Samuel  
 Milbank, Mr. and Mrs. Jeremiah  
 Minnigerode, Mr. G. T.  
 Morris, Mrs. Lewis R.  
 Morsman, Mr. and Mrs. J. J., Jr.  
 Muller, Mrs. Edward A.  
 New York Letter Carriers Association, Inc.  
 Nichols Foundation, Thomas S. and Bernice S.  
 Oenslager, Mrs. Donald M.  
 Ottinger, Mr. Simon  
 Paddon, Mr. Wallace W.  
 Payne, Mrs. Kenneth W.  
 Pfeiffer Research Foundation,  
     Gustavus and Louise  
 Picker, Mr. and Mrs. Jerome  
 Pilgrim Masonic Fellowcraft Club  
 Pittman, Fred, M.D.  
 Powell, Mr. Weldon  
 Price, Mr. Theo H.  
 Pulling, Mrs. John T., Jr.  
 Purdy, Mrs. Thomas L., Jr.  
 Radcliffe, Miss Gertrude S.  
 Reisinger, Mr. Curt H.  
 Rockefeller, Mrs. Laurance S.  
 Schley, Mrs. Winfield S.  
 Schott, Mr. Webster  
 Scoville, Mrs. Herbert  
 Selle Inc., Willard A.  
 Shelton, Mr. Talbot  
 Sheppard, Mr. and Mrs. Charles E.  
 Sherry, Mr. and Mrs. Marcus D.  
 Sinclair, Mr. Frazer W.  
 Slattery, Mr. James M.  
 Smith, Mr. Adolph Q.  
 Smith, McLain B.  
 Springs, Mr. R. A.  
 Straus, Mrs. Ralph  
 Strawbridge, Mrs. D. H.  
 Stubbs, Mr. Merrill  
 Sunderland, Mr. Edwin S. S.  
 Sutcliffe, Mr. Arthur T.  
 Tannenbaum, Mrs. Frank  
 Terry, Mrs. Charles G.  
 Thomson, Mr. C. S.  
 Tucker Foundation, Inc., Marcia Brady  
 Vaillant, Rev. and Mrs. René  
 Valentine, Mr. and Mrs. Jack  
 Volk, Mr. and Mrs. Harold A.  
 Warner, Mrs. Donald J.  
 Warner Fund, Albert and Bessie  
 Watkins, Mr. Peter Merrill  
 Webster, Mr. Louis W.  
 West, John P., M.D.  
 Whiting, Frederick L., M.D.  
 Wilhelm, Mr. C. H.  
 Woman's Club of Greenwich  
 Youngs, Mr. Robert M.

## Gifts to Special Purpose Funds 1963

Ada Fund For Surgical Service .....	\$ 200.00
Altman Foundation Fund .....	500.00
Anesthesia Service Fund .....	1,871.00
Mary Babcock Foundation Fund .....	7,000.00
Blood Bank Research Fund .....	10.00
Bosworth Fund For Patient Care .....	150.00
Bruce Fund For School of Nursing .....	5,000.00
Children's Ward Fund .....	20.00
Christmas Fund .....	950.00
Class of 1963 Fund .....	481.00
Clemens Fund For Clinic Care .....	5,000.00
Community Psychiatry Division Fund .....	40.00
William H. Conroy Fund For Surgical Service .....	3,000.00
Convalescent Hospital Uses Fund .....	500.00
Danziger Appliance Fund .....	500.00
Director's Discretionary Fund .....	545.00
Discretionary Fund For Medical Service .....	3,264.00
Eye Clinic Fund .....	100.00
Faculty Organization Fund .....	75.00
Fleming Fund For Indigent Patients Needing Plastic Surgery .....	500.00
Lloyd H. Gaston Memorial Fund .....	100.00
Carolyn Lathrop Goldsmith Memorial Room Fund .....	1,426.00
Grace Institute Scholarship Fund .....	3,600.00
Graduate Nurses Tea Fund .....	5.00
Hartley Scholarship Fund .....	500.00
Holloway Fund For School of Nursing .....	5,021.00
House Staff Education Fund .....	5,000.00
Interns & Residents Loan Fund .....	1,025.00
Isotope Laboratory Fund .....	5.00
Junior League Fund For Convalescent Hospital .....	2,500.00
John H. Keating Sr. Memorial Fund .....	6,470.00
Maude A. Leland Fund .....	5,131.00
Medical Service General Fund .....	500.00
Claude W. Munger Loan Fund .....	250.00
Neurology Service Fund .....	5,000.00
Pathology Department Fund .....	137.00
Patients Library Service Fund .....	190.00
Physical Medicine Equipment Fund .....	1,500.00
Physical Therapy Fund .....	70.00
Pilgrim Masonic Fellowship Club Nurses Scholarship Fund .....	210.00
Psychiatric Service Fund .....	1,315.00
Radiology Department Fund .....	1,128.00
Radio Therapy Department Fund .....	454.00
Recreational Therapy Fund .....	50.00
Redecorating Private Rooms Fund .....	500.00
Religious Service Work Fund .....	2,863.00
J. Gould Remick Memorial Fund .....	2,668.00



Riverside Church Fund .....	105.00
School of Nursing Purposes Fund .....	1,297.00
School of Nursing Scholarship Fund .....	120.00
Schweckendieck Fund For Crippled Children .....	1,800.00
Scott Memorial Fund .....	42,205.00
Elizabeth Van Leer Sharp Memorial Fund .....	60.00
Henrietta Smith Periodical Fund .....	14.00
Social Service Camp Care Fund .....	800.00
Social Service Christmas Fund .....	725.00
Social Service Director's Fund .....	205.00
Special Equipment Fund .....	6,500.00
Special Meetings Fund .....	450.00
Special Needs of OPD Patients Fund .....	400.00
Special Needs of Patients Fund .....	420.00
James Talcott Fund for Scholarships .....	1,000.00
Urological Department Fund .....	641.00
<i>Total Gifts for Special Purposes</i> .....	<u>\$134,066.00</u>

## Gifts and Grants for Research 1963

For Arthritis Research .....	\$ 27,820.62
For Cancer Research .....	9,744.00
For Cardio-Respiratory Research .....	40,035.69
For Medical Research .....	540,713.47
For Nutritional Research .....	14,500.00
For Orthopedic Research .....	13,724.30
For Psychiatric Research .....	93,195.00
For Surgical Research .....	89,737.23
<i>Total Gifts and Grants for Research</i> .....	<u>\$829,470.31</u>

## Endowed Beds Fund

Estate of Marguerite E. de Witt .....	\$ 10,000.00
---------------------------------------	--------------

## Endowments for Designated Purposes

Women's Alliance of All Souls Unitarian Church Fund .....	\$ 5,500.00
The Adele and Edna Browning Fund—Miss Adele F. Browning .....	5,000.00
Estate of Mary B. Chaplin .....	685.27
Catherine Van Rensselaer Fund—	
Mrs. Clarence C. Prentice .....	2,000.00
Mr. John E. Stevens .....	1,987.50
	<u>\$ 15,172.77</u>

## Endowments for General Purposes

Estate of Helen S. Ogilvie .....\$2,313,413.92

## Memorial Endowments

Memorial Fund for Special Nursing—Anonymous .....\$ 2,000.00

## Unrestricted Legacies

Distribution of Principal from the Terminated Trust of Adele S. Colgate.....	\$ 198,374.90
Estate of Mabel S. Cromwell .....	25,000.00
Estate of Thomas Halstead .....	99,651.00
Estate of Margaret McKirdy .....	500.00
Estate of Herbert D. Wolferman .....	1,000.00
	<u>\$ 324,525.90</u>

## Income from Trusts and Estates

Ruth L. Briggs Trust .....	\$ 72.90
Florence L. S. Clark Trust .....	41,188.94
Adele S. Colgate Trust .....	7,782.56
Green Trust .....	4,393.55
Adrian H. Jackson Trust .....	7,460.69
Walter H. D. Killough Trust .....	500.00
Kurzman Trust Fund .....	259.66
First Presbyterian Church Trust .....	4,513.18
<i>Total Benefactions and Grants</i>	<u>\$ 66,171.48</u>

## Funds Received—1963

### Recapitulation of Benefactions and Grants

Gifts for General Purposes .....	\$ 128,399.78
Gifts for Special Purposes .....	134,066.00
Gifts and Grants for Research .....	829,470.31
Endowed Beds Fund .....	10,000.00
Endowments for Designated Purposes .....	15,172.77
Endowments for General Purposes .....	2,313,413.92
Memorial Endowments .....	2,000.00
Unrestricted Legacies .....	324,525.90
Income from Trusts and Estates .....	66,171.48
	<u>\$3,823,220.16</u>

# St. Luke's Hospital

## Patients' Statistics

	<u>1963</u>	<u>1962</u>
<b>Patients in Hospital First of Year</b>		
Private .....	91	95
Semi-Private .....	124	89
Wards:		
Medical .....	58	61
Surgical .....	922	106
Children .....	21	25
Psychiatric .....	25	26
<b>Total</b> .....	<u>411</u>	<u>402</u>
<b>Admitted During the Year</b>		
Private .....	2,656	2,524
Semi-Private .....	4,200	4,136
Wards:		
Medical .....	1,356	1,212
Surgical .....	2,887	3,465
Children .....	1,512	465
Psychiatric .....	429	382
<b>Total</b> .....	<u>13,040</u>	<u>12,184</u>
<b>Discharge During the Year</b>		
Private .....	2,642	2,528
Semi-Private .....	4,191	4,101
Wards:		
Medical .....	1,345	1,215
Surgical .....	2,868	3,479
Children .....	1,517	469
Psychiatric .....	424	383
<b>Total</b> .....	<u>12,987</u>	<u>12,175</u>
<b>Patients Remaining at End of Year</b>		
Private .....	105	91
Semi-Private .....	133	124
Wards:		
Medical .....	69	58
Surgical .....	111	92
Children .....	16	21
Psychiatric .....	30	25
<b>Total</b> .....	<u>464</u>	<u>411</u>

<b>Admission Classified by Religious Denominations</b>	1963	1962
Protestant .....	5,004	4,733
Roman Catholics .....	5,618	5,028
Hebrew .....	1,214	1,145
Other Religions & None .....	1,204	1,278
<b>Total</b> .....	<u>13,040</u>	<u>12,184</u>

#### **Analysis of Patients Discharged**

Cured Or Improved .....	11,952	11,075
Unimproved .....	472	569
In for Diagnosis .....	11	10
Left Against Advice .....	108	91
Died .....	444	430
Not Treated .....	—	—
<b>Total</b> .....	<u>12,987</u>	<u>12,175</u>

#### **Total Patient Days**

Private .....	36,060	37,464
Semi-Private .....	48,618	46,587
Ward—Free and Endowed .....	597	765
Pay or Part Pay .....	24,821	23,845
Compensation .....	16	7
New York City Cases .....	59,618	60,097
Psychiatric .....	10,213	9,850
<b>Total</b> .....	<u>179,943</u>	<u>178,615</u>

#### **Average Daily Census**

Private .....	98.79	102.64
Semi-Private .....	133.20	127.64
Ward—Free and Endowed .....	1.64	2.09
Pay or Part Pay .....	68.00	65.03
Compensation .....	.04	.02
New York City Cases .....	163.34	164.65
Psychiatric .....	27.98	26.99
<b>Total Average</b> .....	<u>493.00</u>	<u>489.36</u>

#### **Average Stay per Patient**

Private .....	13.65	14.07
Semi-Private .....	11.60	11.17
Ward .....	14.84	16.54
Psychiatric .....	24.09	25.85
<b>Total Average</b> .....	<u>13.86</u>	<u>14.64</u>

	1963	1962
<b>Bed Complement</b>		
Private Rooms .....	115	117
Semi-Private Beds .....	147	143
Ward Beds .....	302	292
Psychiatric Beds .....	35	29
<b>Total</b> .....	599	581

<b>Percentage of Bed Occupancy</b>		
Private .....	85.91	87.73
Semi-Private .....	93.09	86.05
Ward .....	77.54	80.96
Psychiatric .....	91.75	93.06
<b>Total</b> .....	82.92	84.23

<b>Unit Income and Costs For In-Patients</b>		
Average Income Per Patient Day .....	\$47.52	\$39.37
Average Cost Per Patient Day .....	48.98	42.48
Average Loss Per Patient Day .....	\$ 1.46	\$ 3.11

# Statistics – Out-Patient

	1963	1962
<b>Out-Patient Department</b>		
Total Number of Patient Visits .....	114,900	109,392
Number of Individuals Treated .....	22,396	22,105
<b>Unit Income and Costs for Out-Patients</b>		
Average Income Per Out-Patient Visit .....	\$ 3.29	\$ 4.67
Average Cost Per Out-Patient-Visit .....	10.42	9.58
Average Loss Per Out-Patient Visit .....	\$ 7.13	\$ 4.91
<b>Cases Examined in Admitting and Emergency Department</b>		
Treated and Referred to Out-Patient Dept. ....	23,786	22,117
Treated and Referred to Private Doctors .....	797	693
Treated and Referred to Personnel Office .....	228	873
Treated and Referred Elsewhere .....	1,076	783
Miscellaneous Communicable Diseases		
Referred Elsewhere .....	—	353
Treated and Discharged .....	21,033	20,480
Examined and Admitted .....	3,961	2,634
Compensation Cases Treated and		
Referred Elsewhere .....	874	611
Left Against Advice .....	880	929
Columbia Health Service .....	920	612
<b>Total</b> .....	<u>53,555</u>	<u>50,085</u>

# Statistics – Number of Employees

(As of December 31, 1963)

	1963	1962
Residents and Internes .....	93	92
Nursing Care .....	561	454
Student Nurses, Including Preclinical Students ....	256	260
School of Nursing .....	31	26
Operating Rooms (Includes Maids and Porters)....	66	59
Miscellaneous Professional Care .....	125	124
X-Ray Department .....	69	62
Pathological Laboratory .....	66	63
Other Special Service Departments .....	45	43
Out-Patient Department .....	64	63
Dietary Department .....	164	159
Housekeeping Department .....	119	113
Maintenance of Personnel .....	46	44
Laundry .....	52	51
Linen and Sewing Room .....	22	23
Maintenance of Buildings, Grounds and Equipment	49	46
Operation of Plant .....	40	40
Business Offices and Telephone .....	158	157
Purchasing and Storeroom .....	13	12
Executive Offices .....	13	13
Religious Services Department .....	6	6
Research .....	76	52
Other .....	21	18
<b>Total</b> .....	<b>2,155</b>	<b>1,980</b>



# Statistics

## Special Service Departments

	1963	1962
<b>X-Ray Department</b>		
Radiography		
Examination of In-Patients .....	23,529	22,119
Examination of Clinic Patients .....	17,247	15,827
Examination of Referred Out-Patients .....	7,138	7,222
<b>Total</b> .....	47,914	45,168
Number of Films Used .....	141,893	124,353
Radiotherapy—Number of Treatments:		
In-Patients .....	2,508	2,779
Clinic Patients .....	2,058	1,835
Referred Out-Patients .....	2,481	2,167
<b>Total</b> .....	7,047	6,781
<b>Pathological Laboratory Department</b>		
Number of Tests:		
In-Patients .....	223,690	223,978
Clinic Patients .....	74,833	59,783
Referred Out-Patients .....	8,237	7,052
Research and Others .....	27,128	22,875
<b>Total</b> .....	333,888	313,688
<b>Operating Rooms</b>		
Number of Operations:		
Private Patients .....	1,337	1,350
Semi-Private Patients .....	2,764	2,553
Ward Patients .....	3,764	3,322
Clinic Patients .....	—	—
Referred Out-Patients .....	145	125
<b>Total</b> .....	8,010	7,350
<b>Physical Medicine Department</b>		
Number of Treatments:		
In-Patients .....	25,839	22,872
Clinic Patients .....	23,925	32,788
Referred Out-Patients .....	4,899	6,417
<b>Total</b> .....	54,663	62,077
Total Number of Patient Visits .....	18,974	19,417

### **Electrocardiograph Department**

Number of Examinations:

In-Patients .....	7,926	7,351
Clinic Patients .....	1,714	1,631
Referred Out-Patients .....	152	159
<b>Total</b> .....	<u>9,792</u>	<u>9,141</u>

### **Electroencephalograph Department**

Number of Examinations:

In-Patients .....	372	457
Clinic Patients .....	491	247
Referred Out-Patients .....	135	131
<b>Total</b> .....	<u>998</u>	<u>835</u>

### **Metabolism Department**

Number of Tests:

In-Patients .....	160	221
Clinic Patients .....	113	178
Referred Out-Patients .....	18	30
<b>Total</b> .....	<u>291</u>	<u>429</u>

### **Cystoscopic Department**

Number of Treatments:

In-Patients .....	665	676
Clinic Patients .....	195	261
<b>Total</b> .....	<u>860</u>	<u>937</u>

### **Blood Bank**

Number of Transfusions:

In-Patients .....	3,999	3,475
<b>Total</b> .....	<u>3,999</u>	<u>3,475</u>

### **Hearing and Speech**

Number of Treatments:

In-Patients .....	249	206
Clinic Patients .....	3,103	2,687
<b>Total</b> .....	<u>3,352</u>	<u>2,893</u>

### **Plethysmograph**

Number of Treatments:

In-Patients .....	42	35
Out-Patients .....	17	23
<b>Total</b> .....	<u>59</u>	<u>58</u>

# Department of Religious Services

	1963	1962
<b>Services at St. Luke's</b>		
Baptisms .....	16	14
Marriages .....	1	1
Memorial Services .....	7	6
Burials .....	12	23
 <b>Services of Holy Communion</b>		
Sundays .....	64	61
Other Days .....	53	43
Private .....	1,191	1,258
<b>Total Communions Administered</b>	<u>4,190</u>	<u>4,092</u>
 <b>Services Conducted in Chapel and Wards</b>		
Sundays .....	720	714
Other Days .....	1,277	1,287
<b>Total Chapel Attendance</b>	<u>24,232</u>	<u>26,041</u>

# Patients' Statistics

## St. Luke's

### Convalescent Hospital

	1963	1962
<b>Patients in Hospital First of Year</b>		
Medical —Male .....	8	2
Female .....	7	4
Surgical —Male .....	5	10
Female .....	11	6
Children—Male .....	20	26
Female .....	9	11
<b>Total</b>	<u>60</u>	<u>59</u>

<b>Patients Admitted During Year</b>		
Medical —Male .....	129	105
Female .....	146	94
Surgical —Male .....	84	77
Female .....	134	115
Children—Male .....	99	84
Female .....	64	51
<b>Total</b>	<u>656</u>	<u>526</u>

<b>Patients Discharged During Year</b>		
Medical —Male .....	131	103
Female .....	146	91
Surgical —Male .....	84	81
Female .....	135	106
Children—Male .....	96	89
Female .....	66	55
<b>Total</b>	<u>658</u>	<u>525</u>

<b>Patients Remaining at End of Year</b>		
Medical —Male .....	6	8
Female .....	7	7
Surgical —Male .....	5	5
Female .....	10	11
Children—Male .....	23	20
Female .....	7	9
<b>Total</b>	<u>58</u>	<u>60</u>

**Total Patient Days**

Pay and Part Pay Days .....	28,728	24,483
Free Days .....	8	23
<b>Total Days</b>	<u>28,736</u>	<u>24,506</u>

Adult Medical Days .....	7,856	6,058
Adult Surgical Days .....	7,362	6,919
Children Days .....	13,518	11,529
<b>Total Days</b>	<u>28,736</u>	<u>24,506</u>

**Unit Income and Costs**

Average Income per Patient Day .....	\$10.20	\$ 9.06
Average Cost per Patient Day .....	21.26	20.02
Average Loss per Patient Day .....	<u>\$11.06</u>	<u>\$10.96</u>

## Number of Employees

	<u>1963</u>	<u>1962</u>
Nursing Department .....	52	36
Dietary Department .....	18	16
Housekeeping Department .....	11	12
Operation of Plant .....	4	7
Maintenance of Buildings, Grounds, etc. ....	3	5
Administration Department .....	9	7
All Others .....	17	19
<b>Total</b>	<u>114</u>	<u>102</u>

# Special Service Department

	1963	1962
<b>Laboratory Department</b>		
Clinical Laboratory Test-procedures .....	4,485	1,857
<b>Physical Therapy Department</b>		
Total number of patients treated .....	188	263
Total number of out-patients treated .....	5	20
Total number of patients visits .....	5,744	2,894
Total number of out-patients visits .....	104	93
Total number of Inhalation Therapy .....	717	72
Total number of Electrotherapy Treatments .....	0	0
Total number of Exercise Treatments .....	7,393	2,407
Total number of Sayre Suspension Traction Treatments .....	0	0
Total number of Heat Treatments .....	749	1,063
Total number of Hydrotherapy Treatments .....	562	402
Total number of Massage Treatments .....	51	83
Total number of Muscle Tests .....	2	0
Total number of Rehabilitation Treatments .....	2,826	1,911
<b>Total number of Treatments given</b>	<b>12,300</b>	<b>5,938</b>
<b>Occupational Therapy Department</b>		
Patients visits .....	1,544	1,893
<b>Social Service</b>		
Patients receiving casework service .....	644	476
Total number of casework interviews with and in behalf of patients .....	6,895	5,684

# Religious Services Department

Services at St. Luke's Convalescent Hospital Chapel

## Services of Holy Communion

Sundays .....	20	52
Other Days .....	8	38
<b>Total Communions Administered</b>	<b>256</b>	<b>926</b>

## Other Chapel Services

Sundays .....	16	24
Other Days .....	5	8







# Auditors' Certificate

To the Board of Trustees  
St. Luke's Hospital  
New York, New York

We have examined the balance sheet of St. Luke's Hospital as of December 31, 1963, and the related statement of income and expense for the year then ended. Our examination was made in conformity with generally accepted auditing standards and accordingly included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances.

All securities owned by the hospital at December 31, 1963 were held by the Manufacturers Hanover Trust Company as custodian. We received a certified schedule of the investments so held from this trust company, and verified that the securities listed were in agreement with the details of investments shown by the records of the hospital as of that date. Income from interest, dividends and rents for the year under review are stated as shown in the records of the custodian.

In our opinion, subject to the foregoing, the accompanying balance sheet and statement of income and expense, together with footnotes, fairly present the financial position of St. Luke's Hospital at December 31, 1963 and the results of its operations for the year then ended, in accordance with generally accepted accounting principles applied on a basis consistent with that of the preceding year.

MacNICOL, JOHNSON & CO.  
Certified Public Accountants

New York, New York  
May 12, 1964

# St. Luke's Hospital Woman's Hospital

## Comparative Balance Sheet as of December 31, 1963 and December 31, 1962

### ASSETS

	1963	1962
<b>General Fund</b>		
Cash in banks and on hand .....	\$ 51,002.72	\$ 95,203.38
Accounts receivable:		
Due from patients .....	\$ 158,725.02	\$ 102,322.18
Less: Allowance for uncollectible accounts .....	45,645.43	44,170.58
Due from patients—net .....	\$ 113,079.59	\$ 58,151.60
Due from Blue Cross plans .....	76,416.32	59,731.54
Due from City of New York .....	113,244.32	120,719.61
Miscellaneous accounts receivable .....	311.13	1,063.00
Inter-hospital accounts receivable .....	10,693.19	15,861.02
<i>Total Accounts Receivable, less Allowance         for Uncollectible Accounts</i> .....	<i>\$ 313,744.55</i>	<i>\$ 255,526.77</i>
Investments .....	\$ 14,123.75	\$ 14,165.06
Inventories of supplies .....	63,639.22	72,034.27
Prepaid expenses .....	23,436.87	12,891.72
<i>Total</i> .....	<i>\$ 465,947.11</i>	<i>\$ 449,821.20</i>
<b>Unrestricted Reserve Fund</b>		
Cash in bank .....	\$ 51,505.84	\$ 172,768.38
Investments .....	3,305,661.92	3,453,909.45
Due from General Fund .....	200,000.00	—
Due from Dual Century Fund .....	200,000.00	200,000.00
<i>Total</i> .....	<i>\$3,757,167.76</i>	<i>\$3,826,677.83</i>
<b>Endowment Funds</b>		
Cash in bank .....	\$ 38,346.75	\$ 34,899.48
Investments .....	2,010,941.87	1,971,509.59
<i>Total</i> .....	<i>\$2,049,288.62</i>	<i>\$2,006,409.07</i>
Less: Temporary Funds' undivided interest .....	18,867.90	18,473.11
<i>Net Assets</i> .....	<i>\$2,030,420.72</i>	<i>\$1,987,935.96</i>
<b>Temporary Funds for Designated Purposes</b>		
Cash in bank .....	\$ 52,129.74	\$ 34,475.01
Undivided interest in Endowment Funds' assets .....	18,867.90	18,473.11
<i>Total</i> .....	<i>\$ 70,997.64</i>	<i>\$ 52,948.12</i>
<b>Plant Fund</b>		
Cash in bank .....	\$ 108,162.43	\$ 87,076.14
Investments .....	—	720,077.25
Deferred legal fee .....	12,658.62	12,658.62
Hospital properties and equipment		
Less accumulated depreciation .....	1,027,201.94	1,066,543.42
<i>Total</i> .....	<i>\$1,148,022.99</i>	<i>\$1,886,355.43</i>
<b>TOTAL ASSETS</b> .....	<b>\$7,472,556.22</b>	<b>\$8,203,738.54</b>

## Comparative Balance Sheet as of December 31, 1963 and December 31, 1962

## LIABILITIES AND FUND BALANCE

	1963	1962
<b>General Fund</b>		
Accounts payable .....	\$ 65,180.78	\$ 55,145.87
Accrued salaries payable .....	58,438.72	47,802.44
Payroll taxes withheld and accrued .....	39,582.32	32,469.18
Due to Unrestricted Reserve Fund .....	200,000.00	—
Other Liabilities .....	40,972.56	46,627.37
<i>Total Liabilities</i> .....	<u>\$ 404,174.38</u>	<u>\$ 182,044.86</u>
Unexpended balance of special appropriations .....	9,844.88	9,844.88
General Fund balance .....	51,927.85	257,931.46
<i>Total</i> .....	<u>\$ 465,947.11</u>	<u>\$ 449,821.20</u>
<b>Unrestricted Reserve Fund</b>		
Principal .....	<u>\$3,757,167.76</u>	<u>\$3,826,677.83</u>
<b>Endowment Funds</b>		
Principal:		
General Endowment Funds .....	\$1,778,155.47	\$1,740,949.14
Restricted Endowment Funds .....	252,265.25	246,986.82
<i>Total</i> .....	<u>\$2,030,420.72</u>	<u>\$1,987,935.96</u>
<b>Temporary Funds for Designated Purposes</b>		
Unexpended income from Restricted Endowment Funds .....	\$ 11,223.56	\$ 10,758.15
Unexpended donations for designated purposes .....	59,774.08	42,189.97
<i>Total</i> .....	<u>\$ 70,997.64</u>	<u>\$ 52,948.12</u>
<b>Plant Fund</b>		
Deposit on sale of property .....	\$ 87,500.00	\$ 87,500.00
Blue Cross Fund for capital costs .....	108,162.43	81,620.40
Plant capital .....	952,360.56	1,717,235.03
<i>Total</i> .....	<u>\$1,148,022.99</u>	<u>\$1,886,355.43</u>
<b>TOTAL LIABILITIES AND FUND BALANCES</b> .....	<u>\$7,472,556.22</u>	<u>\$8,203,738.54</u>

# St. Luke's Hospital Woman's Hospital

## Comparative Statement of Income and Expense for the Years Ended December 31, 1963 and December 31, 1962

	1963	1962
<b>Net Operating Income</b> .....	<u>\$2,078,405.81</u>	<u>\$2,005,427.81</u>
<b>Operating Expenses</b>		
Salaries, wages and fees .....	2,114,019.51	1,915,808.23
Supplies, expense and food .....	736,660.54	674,156.62
Recovery of expenses (deducted) .....	<u>(56,193.28)</u>	<u>(57,455.26)</u>
<i>Net Operating Expenses</i> .....	<u>2,794,486.77</u>	<u>2,532,509.59</u>
<i>Net Operating Loss</i> .....	<u>716,080.96</u>	<u>527,081.78</u>
<b>Supplementary Income</b>		
Income from Investments of:		
General Endowment Fund .....	110,587.40	106,654.27
Unrestricted Reserve Fund .....	156,609.15	146,991.62
Plant Fund .....	10,258.75	10,335.18
Income from various trusts and estates .....	317.90	278.47
United Hospital Fund .....	13,450.76	17,415.00
Greater New York Fund .....	22,377.24	32,052.00
Appropriated from temporary funds for designated purposes .....	18,948.53	21,039.27
Donations for general purposes .....	57,101.53*	55,651.03*
Hospitality Shop net profit (loss) .....	(4,521.65)	(2,232.56)
Net Profit on Sales of Securities .....	1,048.48	—
Social Service Department Income:		
Appropriated from temporary funds for designated purposes .....	5,150.00	4,620.00
United Hospital Fund .....	1,086.00	1,156.00
Greater New York Fund .....	<u>7,240.00</u>	<u>9,444.00</u>
<i>Total Supplementary Income</i> .....	<u>399,654.09</u>	<u>403,404.28</u>
<b>Loss before Non-Operating Expenses</b> .....	<u>316,426.87</u>	<u>123,677.50</u>
<b>Non-Operating Expenses</b>		
Public relations and appeals for funds .....	14,576.74	12,788.56
<b>Loss before Provision for Depreciation</b> .....	<u>331,003.61</u>	<u>136,466.06</u>
<b>Provision for Depreciation</b>		
Depreciation of buildings .....	22,311.23	22,311.23
Depreciation of equipment .....	<u>29,225.75</u>	<u>28,942.75</u>
<i>Total Provision for Depreciation</i> .....	<u>51,536.98</u>	<u>51,253.98</u>
<b>Excess of Expenses over Income for the Year</b> .....	<u>\$ 382,540.59</u>	<u>\$ 187,720.04</u>

\*During the years 1963 and 1962, donations for general purposes in the amount of \$19,753.00 and \$17,209.00, respectively, received by the General Hospital, were allocated to the Woman's Hospital by action of the Board of Trustees.

# St. Luke's Hospital

## Woman's Hospital

### Condensed Statement of Income and Expense for the Year Ended December 31, 1963

#### Operating Income

Income from Patients:	
Private patients .....	\$ 340,117.08
Semi-private patients .....	777,943.34
Ward patients .....	669,148.22
Newborn infants .....	187,199.22
Outpatients .....	118,521.53
<i>Income from Patients</i> .....	<u>2,092,929.39</u>
Deduct: Provision for uncollectible accounts .....	40,000.00
<i>Net Income from Patients</i> .....	<u>2,052,929.39</u>

#### Other Operating Income

Recoveries on accounts written off .....	9,972.66
Discounts on purchases .....	3,500.46
Sales of materials, supplies and scrap .....	1,079.31
Rents and commissions .....	4,634.07
Miscellaneous .....	6,289.92
<i>Total Other Operating Income</i> .....	<u>25,476.42</u>
<i>Net Operating Income</i> .....	<u>2,078,405.81</u>

#### Operating Expenses

Professional care of patients—general and nursing .....	967,688.73
Special service departments .....	522,024.38
Out-patient department .....	59,576.79
Social service department .....	23,749.00
Dietary department .....	347,649.35
Housekeeping department .....	164,445.06
Laundry and linen room .....	99,772.21
Maintenance of personnel .....	3,636.28
Maintenance and operation of plant and general equipment .....	248,030.04
Administration and general .....	414,108.21
Recovery of expenses (deducted) .....	(56,193.28)
<i>Net Operating Expenses</i> .....	<u>2,794,486.77</u>
<i>Net Operating Loss</i> .....	<u>716,080.96</u>

<b>Supplementary Income</b> .....	<u>399,654.09</u>
<i>Loss before Non-Operating Expenses</i> .....	<u>316,426.87</u>

<b>Non-Operating Expenses</b> .....	<u>14,576.74</u>
<i>Loss before Provision for Depreciation</i> .....	<u>331,003.61</u>

#### Provision for Depreciation

Depreciation of buildings .....	22,311.23
Depreciation of equipment .....	29,225.75
<i>Total Provision for Depreciation</i> .....	<u>51,536.98</u>

<b>Excess of Expenses over Income for the Year</b> .....	<u>\$ 382,540.59</u>
--	----------------------





# Woman's Hospital

## Gifts for General Purposes – 1963

Gifts of \$1,000 and Over .....	7
Gifts of \$500 to \$1,000 .....	6
Gifts of \$200 to \$500 .....	7
Gifts of \$100 to \$200 .....	22
Gifts of \$50 to \$100 .....	33
Gifts Under 50 .....	1,005
<hr/>	
Total Number of Donations .....	1,080
Total Amount Contributed .....	\$56,994.53

## Woman's Hospital

### \$1,000 and over

Avalon Foundation  
 Clark, Mr. F. Ambrose  
 Corey, Mrs. Alan L., Jr.  
 Davis, Mrs. Howland S.  
 Grace, Mrs. William R.  
 Huber Foundation  
 Marston, Mrs. Hunter S.  
 New York Community Trust

Culpeper Foundation, Inc., Charles E.  
 Elliman, Douglas L. and Company  
 Emory, Mr. and Mrs. German H. H.  
 Green Foundation, Inc.  
 Haskell, Mr. Amory L.  
 Hasler, Mr. and Mrs. Frederick E.  
 Heiser, Mrs. Victor G.  
 Hoppin, Mrs. Frederic G.  
 Kean, Mrs. John  
 Kelly, Mrs. Carlos  
 Kiggins, Mrs. W. A., Jr.  
 Lagemann, Mr. Walter  
 McChesney, Mrs. John  
 McGill, Mrs. Lois M.  
 McLane, Mrs. Huntington  
 Metcalf, Mr. Manton B., Jr.  
 Metcalf, Mrs. Manton B., Jr.  
 Milbank, Mrs. Jeremiah  
 Mitchell, Mr. Cornelius von E.  
 Pease, Mr. and Mrs. Perry R.  
 Perkins, Mrs. George W.  
 Randolph, Mr. Francis F.  
 Rubel, Mr. and Mrs. Peter A.  
 St. Luke's Hospital, Trustees of  
 Schmidinger, Mrs. Joseph  
 Target Rock Foundation, Inc.  
 Vocke, Miss Kathryn E.  
 Webb, Mrs. Vanderbilt

### \$500 to \$1,000

Baird Foundation, David, Josephine and Winfield  
 (through Mr. David G. Baird)  
 Clarke, Mrs. Thomas L., Jr.  
 Cross Ridge Foundation  
 Figgatt, Mr. Tinney C.  
 (in memory of wife—Mrs. Violet Guild Figgatt)  
 Garver, Mr. Chauncey B.  
 Phillips Foundation, Charlotte Palmer  
 Stebbins, Mr. Theodore E.

### \$100 to \$500

Barker Welfare Foundation  
 Beekman Family Association, Inc.  
 Borg, Mr. and Mrs. Malcolm A.  
 Bruce, Mrs. Mellon

## Gifts for Special Purposes

Assistant Board:	
Furniture, Equipment, etc. ....	\$ 625.00
Library Fund .....	135.89
Babies' Alumni Fund .....	6,870.00
Cancer Research Fund .....	1,275.00
Cheer Fund .....	640.00
Morse Fund .....	11.71
Nursery Fund .....	107.00
Social Service:	
General Fund .....	450.00
Patients' Relief Fund .....	977.00
<i>Total Gifts for Special Purposes</i>	<u>\$11,091.60</u>

## Funds Received – 1963

### Recapitulation of Benefactions and Grants

Gifts for General Purposes .....	\$56,994.53
Gifts for Special Purposes .....	<u>11,091.60</u>
<i>Total Benefactions and Grants</i>	<u>\$68,086.13</u>

# Patients' Statistics

## Woman's Hospital

	Adult		Newborn	
	1963	1962	1963	1962
<b>Patients in Hospital First of Year</b>				
Private .....	12	11	5	8
Semi-Private .....	22	22	10	14
Ward .....	39	41	36	35
<b>Total</b>	<b>73</b>	<b>74</b>	<b>51</b>	<b>57</b>
<b>Admitted During the Year</b>				
Private .....	856	927	317	340
Semi-Private .....	2,260	2,311	621	596
Ward .....	2,730	3,034	1,357	1,454
<b>Total</b>	<b>5,846</b>	<b>6,272</b>	<b>2,295</b>	<b>2,390</b>
<b>Discharged During the Year</b>				
Private .....	886	926	317	343
Semi-Private .....	2,222	2,311	613	600
Ward .....	2,737	3,036	1,376	1,453
<b>Total</b>	<b>5,845</b>	<b>6,273</b>	<b>2,306</b>	<b>2,396</b>
<b>Patients Remaining at End of Year</b>				
Private .....	16	12	11	5
Semi-Private .....	24	22	11	10
Ward .....	34	39	18	36
<b>Total</b>	<b>74</b>	<b>73</b>	<b>40</b>	<b>51</b>
<b>Total Patient Days</b>				
Private .....	6,094	6,508	2,075	2,430
Semi-Private .....	15,522	17,120	3,848	4,202
Ward .....	11,715	13,017	5,972	5,975
New York City Cases .....	7,210	8,181	3,769	3,932
<b>Total</b>	<b>40,541</b>	<b>44,826</b>	<b>15,664</b>	<b>16,539</b>
<b>Average Daily Census</b>				
Private .....	16.70	17.83	5.68	6.66
Semi-Private .....	42.53	46.90	10.54	11.51
Ward-Pay or Part Pay .....	32.09	35.66	16.36	16.37
New York City Cases .....	19.75	22.42	10.33	10.77
<b>Total</b>	<b>111.07</b>	<b>122.81</b>	<b>42.91</b>	<b>45.31</b>

**Average Stay Per Patient**

Private .....	7.12	7.26	6.54	7.14
Semi-Private .....	6.86	7.30	6.19	7.05
Ward .....	6.93	6.99	7.17	6.81
<b>Total</b>	<u>6.93</u>	<u>7.14</u>	<u>6.82</u>	<u>6.92</u>

**Bed Complement**

Private .....	38	38	14	14
Semi-Private .....	53	53	14	14
Ward .....	82	82	40	40
Premature and Isolation .....	—	—	18	18
<b>Total</b>	<u>173</u>	<u>173</u>	<u>86</u>	<u>86</u>

**Percentage of Bed Occupancy**

Private .....	44.95	46.92	—	—
Semi-Private .....	83.46	88.49	—	—
Ward .....	68.81	70.82	—	—
<b>Total</b>	<u>66.69</u>	<u>70.98</u>	<u>49.90</u>	<u>52.68</u>

**Unit Income and Costs for In-Patients**

Average Income Per Day .....	\$43.15	\$39.07	\$11.02	\$ 9.82
Average Cost Per Patient Day .....	<u>54.67</u>	<u>47.17</u>	<u>19.48</u>	<u>15.93</u>
Average Loss Per Patient Day .....	\$11.52	\$ 8.10	\$ 8.46	\$ 6.11

## Statistics – Out-Patients

	<u>1963</u>	<u>1962</u>
<b>Out-Patient Department</b>		
Number of visits — Free .....	3,073	2,891
Pay or Part Pay .....	24,290	25,752
<b>Total</b>	<u>27,363</u>	<u>28,386</u>
Number of Individuals Treated .....	4,235	4,372

**Unit Income and Costs for Out-Patients**

Average Income Per Out-Patient Visit .....	\$4.33	\$3.90
Average Cost Per Out-Patient Visit .....	<u>9.47</u>	<u>8.55</u>
Average Loss Per Out-Patient Visit .....	\$5.14	\$4.65

# Statistics

## Number of Employees

(As of December 31, 1963)

	1963	1962
<b>Professional Care of Patients:</b>		
Residents .....	13.0	14.0
Nursing Care .....	148.4	151.1
Operating Rooms .....	24.5	26.7
Delivery Rooms .....	19.0	21.5
Miscellaneous Professional Care .....	12.0	15.1
X-Ray Department .....	4.0	2.5
Pathological Laboratory .....	21.6	20.2
Other Special Service Departments .....	3.0	5.0
Out-Patient Department .....	15.2	18.0
Dietary Department .....	55.0	58.0
Housekeeping Department .....	47.0	44.0
Laundry .....	19.0	17.5
Linen and Sewing Room .....	4.0	4.0
Maintenance of Buildings, Grounds and Equipment .....	11.0	11.5
Operation of Plant .....	28.0	24.9
Business Offices and Telephones .....	30.3	29.6
Storeroom .....	2.0	2.0
Executive Offices .....	3.0	3.0
Other .....	3.6	2.5
<b>Total</b>	<b>463.6</b>	<b>471.1</b>

# Statistics Special Service Departments

**X-Ray Department**

Radiography		
Examination of In-Patients .....	1,456	1,522
Examination of Out-Patients .....	1,765	1,936
Examination of Personnel .....	341	420
<b>Total</b>	<u>3,562</u>	<u>3,878</u>
Number of Films Used .....	6,580	6,825

Radiotherapy—Number of Treatments:

In-Patients .....	38	55
Out-Patients .....	98	390
Personnel .....	0	0
<b>Total</b>	<u>136</u>	<u>445</u>

**Pathological Laboratory Department**

Number of tests		
In-Patients .....	29,747	30,504
Out-Patients .....	18,840	17,807
Personnel .....	1,393	1,195
<b>Total</b>	<u>49,980</u>	<u>49,506</u>

**Operating Rooms**

Number of Operations		
Private .....	540	547
Semi-Private .....	1,680	1,784
Ward .....	1,257	1,441
<b>Total</b>	<u>3,477</u>	<u>3,772</u>







St. Luke's Hospital

# WORK BOOK

Hospital  
Organization

Service  
Reports

Finance &  
Statistics

## Hospital Organization

- A1 Board of Trustees
- A2 Committees of the Board
- A3 St. Luke's Hospital Auxiliary
- A4 Assistant Board
- A5 Medical Board & Committees
- A6 Administrative Staff
- A7 Hospital Volunteers

## Medical Services

- B1 Administration
- B2 Ambulance
- B3 Laboratory
- B4 Pharmacy & Radiology
- B5 Food Service & Catering
- B6 Outpatient
- B7 Outpatient Clinic
- B8 Pathology
- B9 Physical Therapy
- B10 Radiology
- B11 Surgery
- B12 Teleradiology
- B13 Teleradiology
- B14 Teleradiology
- B15 Teleradiology
- B16 Teleradiology
- B17 Teleradiology
- B18 Teleradiology
- B19 Teleradiology
- B20 Teleradiology

## Finance & Statistics

- St. Luke's Hospital
- C1 Balance Sheet
- C2 Income/Expense Statement
- C3 Gift Record
- C4 Patient Statistics
- Woman's Hospital
- C5 Balance Sheet
- C6 Income/Expense Statement
- C7 Gift Record
- C8 Patient Statistics

The contents of the Work Book may be located by flipping the upper right corners of the pages and finding the "letter-number" which corresponds to the desired section as shown in the listings above (e.g., flip to B3 for the report of the Medical Service). In addition, a conventional paged index appears on pages 2 and 3.

Scientific and Statistical Reports for 1964 | Hospital Organization for 1965  
St. Luke's Hospital | 421 West 113 Street | New York, N. Y. | UN 5-3000

(All lists appearing in the Work Book, unless noted, are as of July 1, 1965)

# Contents

## Hospital Organization

Board of Trustees	5
Committees of the Board	6
St. Luke's Hospital Auxiliary	8
Assistant Board	11
Medical Board	12
Standing Committees of the Medical Board	14
Special Committees of the Medical Board	16
Administrative Staff	19
Hospital Volunteers	20

## Service Reports

Anesthesia 25  
Dermatology 27  
Medicine 29  
Obstetrics & Gynecology 53  
Oral Surgery & Dentistry 62  
Orthopedics 64  
Otolaryngology 73  
Pathology 77  
Pediatrics 79  
Physical Medicine 83  
Radiology 87  
Surgery 93  
Urology 105  
The Medical Staffs 109  
House Staff 122  
Scientific Publications 125  
Nursing Service 135  
School of Nursing Report 137  
The Nursing Staff 139  
Organizations 142

## Finance & Statistics

St. Luke's Hospital:  
Balance Sheet 146  
Income/Expense Statement 146  
Gift Record 150  
Patient Statistics 159  
  
Woman's Hospital:  
Balance Sheet 168  
Income/Expense Statement 171  
Gift Record 172  
Patient Statistics 174





## Officers

*Chairman of the Board:*  
Jarvis Cromwell

*President:*

A. Varick Stout

*Chairman of the  
Executive Committee:*  
Henry B. Guthrie

*Vice President:*

F. Huntington Babcock

*Vice President:*

Clarence G. Michalis

*Vice President and  
Assistant Secretary:*

Daniel P. Davison

*Treasurer:*

Van Rensselaer Halsey

*Secretary:*

\*J. Stewart Baker, Jr.

\*\*David T. McGovern

\*Resigned June 28, 1965

\*\*As of June 28, 1965

## Board of Trustees

*(whose terms expire respectively at  
the close of the annual meeting of  
the corporation in the following years)*

### 1965

Mrs. Simmons Coleman

Mrs. Howland S. Davis

John P. Humes

Peter Iselin

David T. McGovern

Clarence G. Michalis

Ricard R. Ohrstrom

Eben W. Pyne

Walter N. Rothschild, Jr.

Frederick Sheffield

A. Varick Stout

### 1966

F. Huntington Babcock

Charles E. Brown

W. Macy Chamberlin

Daniel P. Davison

Van R. Halsey

Clarence F. Michalis

Mrs. Harold R. Mixsell

Perry R. Pease

†Curt H. Reisinger

William J. Trent, Jr.

Arnold Whitridge

Frederick J. Woodbridge

### 1967

J. Stewart Baker, Jr.

Jarvis Cromwell

Charles E. Dunlap

Mrs. J. Winston Fowlkes

Henry B. Guthrie

Kenneth A. Ives

Clifford W. Michel

Donald G. Price

Henry R. Sutphen, Jr.

John W. F. Treadwell, C.B.E.

## Trustees Ex-Officio

*Representatives of  
St. George's Society:*

David Granger

Norman Williams

*The Bishop of the Diocese  
of New York:*

The Right Reverend

Horace W. B. Donegan,  
D.D., D.C.L.

*The Mayor of the  
City of New York:*

The Honorable

Robert F. Wagner

*The President of the  
Medical Board:*

William S. Norton II, M.D.

*The President of*

*St. Luke's Hospital Auxiliary:*

Mrs. John P. Lins

*The Chairman of the  
Woman's Hospital*

*Assistant Board:*

Mrs. John S. Burke, Jr.

## Honorary Trustees

†Mrs. F. Huntington Babcock

J. Stewart Baker

Mrs. Douglas M. Black

Edward S. Blagden

Charles S. Brown

Mrs. Mellon Bruce

Chauncey B. Garver

†William S. Gray

Frederic R. King, F.A.I.A.

Hiram A. Mathews

William A. Read

William J. Schieffelin

†Edwin S. S. Sunderland

Mrs. Walbridge S. Taft

Hon. F. S. Tomlinson, C.M.G.

Schuyler Van Vechten

Samuel B. Webb

*Counsel:*

Appleton, Rice & Perrin  
*Executive Director of the*

*Hospital:*

Charles W. Davidson,  
B.A., C.P.A.

†Deceased

**Board of Trustees Standing Committees  
As of September, 1965**

**Executive Committee**

Charles E. Brown  
Mrs. John S. Burke, Jr.  
W. Macy Chamberlin  
Mrs. J. Winston Fowlkes  
Frederick Sheffield  
Henry R. Sutphen, Jr.  
Arnold Whitridge  
(Officers of the Hospital and  
the President of the Medical Board,  
all ex-officio)

**Finance Committee**

Clifford W. Michel, *Chairman*  
F. Huntington Babcock  
\*Daniel P. Davison  
Van R. Halsey  
Clarence G. Michalis  
Richard R. Olmstrom  
Perry R. Peaslee

**Committee on Legal Affairs**

Frederick Sheffield, *Chairman*  
Henry B. Guthrie  
David T. McGovern

**Nominating Committee**

Charles E. Brown, *Chairman*  
Daniel P. Davison  
John P. Humes  
David T. McGovern  
Clarence F. Michalis  
Eben W. Pyne  
Frederick Sheffield

**Committee on Nursing**

Arnold Whitridge, *Chairman*  
Mrs. Simmons Coleman  
Peter Iselin  
Kenneth A. Ives  
\*Miss Erica Kohler  
\*Miss Eleanor Lambertson  
Henry R. Sutphen, Jr.  
\*Miss Mary Tyrie

### **Committee on Public Relations and Fund Raising**

Jarvis Cromwell, *Chairman*

Charles E. Brown

\*Mrs. Edward P. Childs

Daniel P. Davison

Mrs. J. Winston Fowlkes

\*Francis G. Geer, M.D.

David Granger

Kenneth A. Ives

\*Mrs. Edmund C. Lynch, Jr.

Clifford W. Michel

Ricard R. Ohrstrom

Perry R. Pease

Eben W. Pyne

Henry R. Sutphen, Jr.

The Brig. J. W. F. Treadwell

\*The Rev. Cornelius P. Trowbridge

### **Building Committee**

Clarence G. Michalis, *Chairman*

Mrs. John S. Burke, Jr.

Charles E. Brown

\*Mrs. Thomas A. Ennis

Mrs. J. Winston Fowlkes

Henry B. Guthrie

\*Mrs. Frederic G. Hoppin

Frederic R. King

\*Mrs. Edgar L. Marston, 2nd

Walter N. Rothschild, Jr.

Frederick J. Woodbridge

### **Committee on Religious Services**

The Brig. J. W. F. Treadwell, *Chairman*

Mrs. Howland S. Davis

The Right Rev. Horace W. B. Donegan,

D.D., D.C.L.

Mrs. J. Winston Fowlkes

Kenneth A. Ives

Clarence G. Michalis

\*The Rev. Cornelius P. Trowbridge

### **Joint Conference Committee**

A Varick Stout, *Chairman (ex-officio)*

F. Huntington Babcock

W. Macy Chamberlin

Jarvis Cromwell

Daniel P. Davison

Henry B. Guthrie

Van R. Halsey

\*\*\*David T. McGovern

Clarence G. Michalis

\*Charles W. Davidson

### *Medical Board:*

Alexander E. W. Ada, M.D.

William S. Norton II, M.D.

Stuart S. Stevenson, M.D.

Harold M. M. Tovell, M.D.

Theodore B. Van Itallie, M.D.

Harold A. Zintel, M.D.

### **Committee on Hospital Decorating**

Mrs. J. Winston Fowlkes, *Chairman*

Mrs. Simmons Coleman

\*Mrs. Clarence G. Michalis

\*Mrs. Carl S. Oakman

\*John P. West, M.D.

### **Committee on Budget and Personnel**

W. Macy Chamberlin, *Chairman*

Mrs. John S. Burke, Jr.

John P. Humes

David T. McGovern

Clarence F. Michalis

Henry R. Sutphen, Jr.

### **Planning Committee**

Henry R. Sutphen, Jr., *Chairman*

Mrs. Simmons Coleman

Clarence F. Michalis

Perry R. Pease

Walter N. Rothschild, Jr.

\*By Invitation

\*\*As of August 1, 1965

\*\*\*As of June 28, 1965

## **St. Luke's Hospital Auxiliary**

### **Officers**

#### **May 1965-1966**

##### *President:*

Mrs. John P. Lins

##### *1st Vice-President*

Mrs. John P. West

##### *2nd Vice-President*

Mrs. Aldo Balsam

##### *Treasurer:*

Miss Gertrude R. Hoyt

##### *Recording Secretary:*

Mrs. C. Louis Gilbert

##### *Corresponding Secretary:*

Mrs. Theron O. Worth, Jr.

### **Chairmen of**

#### **Standing Committees**

##### *Church:*

Mrs. James A. Paul

##### *Executive:*

Mrs. John P. West

##### *Library:*

Mrs. Wheadon M. Grant

##### *Social Service:*

Mrs. H. Clifford Gayley

##### *Membership:*

Mrs. Simmons Coleman

##### *Thrift Shop:*

Mrs. Elizabeth Bishop

##### *Gift Shop:*

Mrs. Charles F. Schetlin

##### *Volunteers:*

Miss Virginia Black

##### *Ways and Means:*

Mrs. John P. Lins

### **Chairmen of**

#### **Special Committees**

##### *Special Events Co-Chairmen:*

Mrs. J. Winston Fowlkes

Mrs. John McN. Sullivan

##### *Annual Luncheon Fashion Show:*

Mrs. Haig Carapetyan

##### *Senior Ball:*

Mrs. Robert T. Edmunds

Mrs. Horace Hurley

##### *Housekeeping:*

Mrs. Simmons Coleman

##### *Hospitality:*

Mrs. Lawrence Chamberlain

##### *Out-Patient Department:*

Miss Gertrude R. Hoyt

##### *Pediatric:*

Mrs. Carl S. Oakman

### **Active Members**

#### **Class of 1963-1966**

Mrs. Russell Allan

Mrs. Aldo Balsam

Mrs. Lawrence Chamberlain

Mrs. Reginald Conklin

Mrs. William Davidson

Mrs. Roland W. Donnem

Mrs. Charles E. Dunlap

Mrs. William Eldridge

Mrs. Robert T. Edmunds

Mrs. J. Winston Fowlkes

Mrs. Robert W. Fraser, Jr.

Mrs. H. Clifford Gayley

Mrs. C. Louis Gilbert

Mrs. Wheadon M. Grant

Mrs. Charles F. Hamrick

Mrs. John P. Lins

Mrs. Reginald L. Murphey

Mrs. Salvador Ros

**Class of 1964-1967**

Mrs. John W. Bancker  
 Mrs. Robert G. Barnes  
 Mrs. A. L. Loomis Bell, Jr.  
 Mrs. Elizabeth S. Bishop  
 Mrs. Curtis Bird  
 Miss Virginia Black  
 Mrs. Haig Carapetyan  
 Mrs. Jeremiah Clarke  
 Mrs. G. Jarvis Coffin  
 Mrs. Simmons Coleman  
 Mrs. Frederick S. Gilbert, Jr.  
 Mrs. Roland Goode  
 Mrs. Horace Hurley  
 Mrs. William Lankester  
 Mrs. William H. Lynn, Jr.  
 Mrs. Bondy Mackie  
 Mrs. Edward J. McGrew, Jr.  
 Mrs. William B. Mosle, Jr.  
 Mrs. Darbey Perry  
 Mrs. Jacob Gould Schurman  
 Mrs. James McBarron Webster

**Class of 1965-1968**

Mrs. Gouverneur Carnochan  
 Miss Edythe S. Clarke  
 Mrs. George Allen Fowlkes  
 Miss Gertrude R. Hoyt  
 Mrs. William T. Medl  
 Mrs. Clarence G. Michalis  
 Mrs. Carl S. Oakman  
 Mrs. James A. Paul  
 Mrs. Charles F. Schetlin  
 Mrs. Edwin P. Stevens  
 Mrs. Hilton H. Stothers  
 Mrs. Mitchel J. Valicenti, Jr.  
 Mrs. W. Leicester Van Leer  
 Mrs. John P. West  
 Mrs. Theron O. Worth, Jr.

**Honorary Members**

Miss Elizabeth Beebe  
 Mrs. Lyman C. Bleecker  
 Miss Adele F. Browning  
 Mrs. Edward B. Bruch  
 Mrs. Henry Sloane Coffin  
 Mrs. Lewis F. Frissell  
 Mrs. Joseph S. Minnis

**Contributing Members**

Mrs. Yancey Alexander  
 Mrs. Russell Apsey  
 Mrs. J. Stewart Baker  
 Mrs. Leslie P. Barker  
 Mrs. Robert S. Beekman  
 Miss Susan Dwight Bliss  
 Miss Mildred P. Coster  
 Mrs. Jarvis Cromwell  
 Mrs. Henry Leroy Finch  
 Miss Eleanor Greenan  
 Mrs. Lennox Grey  
 Mrs. Edward C. Lynch, Jr.  
 Mrs. William F. MacFee  
 Mrs. Ernest R. Mantius  
 Mrs. Lawrence M. Marks  
 Mrs. John McD. McKinney  
 Miss Eleanor M. Mellon  
 Mrs. Thomas Nolan  
 Mrs. Robert G. Page  
 Mrs. John C. Pemberton  
 Mrs. William C. Riker  
 Mrs. Theodore C. Romaine  
 Mrs. David Rumsey  
 Mrs. William J. Schieffelin  
 Mrs. Joseph Seronde, Sr.  
 Mrs. Earl Shepherd  
 Mrs. George Shea, Jr.  
 Mrs. Lansing P. Shield  
 Mrs. Richard B. Stark  
 Mrs. Edwin S. S. Sunderland  
 Mrs. Cornelius P. Trowbridge  
 Mrs. Thomas J. Watson  
 Mrs. Joseph W. Welsh

## St. Luke's Hospital Auxiliary

(continued)

### Associate Members

- Miss Frances Achilles  
Mrs. Alexander E. W. Ada  
Mrs. Victor Armstrong  
Mrs. Adolph Axelrath  
Mrs. William C. Bibb  
Mrs. R. Clifford Black  
Mrs. Gilman D. Blake  
\*Mrs. Henry G. Bugbee  
Mrs. G. Edgar Burford  
Mrs. Edward P. Childs  
Mrs. Hope Coburn  
Mrs. Harold Cruger  
Mrs. D. Robert Cumming  
Miss Constance Cutler  
\*\*Mrs. John A. Dix  
Mrs. Edward J. Donovan  
Mrs. Howard W. Dunk  
Mrs. Dumont F. Elmendorf  
Miss Celestine Finley  
Miss Leonora Finley  
Mrs. Joel Ellis Fisher  
Mrs. Hilda Gelabert  
Mrs. C. H. Gilbert  
Mrs. George M. Goodwin  
Mrs. Harold Herrick  
Mrs. Albert C. Herring  
Mrs. Ora Hickey  
Mrs. Charles C. Hilliard  
Mrs. Jed H. Irvine  
Mrs. S. J. Isaacson  
Mrs. James C. Joyner  
Miss M. Adeline Knapp  
Mrs. M. A. Koether  
Mrs. Eugene Lada-Mocarski  
Mrs. Leslie G. Lithgow  
Mrs. John B. Marsh  
Mrs. M. H. Merriman  
Mrs. Roger Glenn Mook  
Mrs. Frederick M. Morris  
Miss Helen Musson  
Mrs. Charles J. Nourse  
Miss Gene S. Palmer  
Mrs. Donald B. Percy  
Mrs. D. Paul Reed  
Mrs. Harold Scott  
Mrs. J. Gordon Shand  
Mrs. Frederick Sheffield  
Mrs. Herbert J. Smith  
\*Miss Honora Spalding  
Mrs. Schuyler Van Vechten  
Mrs. F. Stafford Wearn  
Mrs. Robert H. White  
Mrs. Walter G. Young

\*Deceased

\*\*Resigned

## Assistant Board / Woman's Hospital

### Officers

*Honorary Chairman:*  
Mrs. Walbridge S. Taft  
*Chairman:*  
Mrs. John S. Burke, Jr.  
*1st Vice-Chairman:*  
Mrs. Clendenin J. Ryan  
*2nd Vice-Chairman:*  
Mrs. Robert McN. Smith  
*Secretary:*  
Mrs. Harold F. McGuire  
*Treasurer:*  
Mrs. John B. Aspegren

### Chairmen of Standing Committees

*Century Fund:*  
Mrs. Howland S. Davis  
*Decorating:*  
Mrs. Charles M. Clark  
Mrs. Thomas A. Ennis  
*Gift Shop:*  
Mrs. Charles M. Clark  
*Housekeeping:*  
Mrs. Walter Rice Brewster  
*Library:*  
Mrs. Harold F. McGuire  
*Nominating:*  
Mrs. Walbridge S. Taft  
*Nursing:*  
Mrs. George G. Snowden, Jr.  
*Special Events:*  
Mrs. John McN. Sullivan  
*United Hospital Fund:*  
Mrs. Peter Iselin

### Representatives on St. Luke's Committees

*Budget and Personnel:*  
Mrs. John S. Burke, Jr.  
*Building Committee:*  
Mrs. John S. Burke, Jr.  
\*Mrs. Thomas A. Ennis  
\*Mrs. Frederic G. Hoppin  
\*Mrs. Edgar L. Marston, 2nd  
*Executive Committee:*  
Mrs. John S. Burke, Jr.

### Active Members

Mrs. Russell B. Aitken  
Mrs. Douglas M. Black  
Mrs. Walter Rice Brewster  
Mrs. Mellon Bruce  
Mrs. Walker G. Buckner  
Mrs. Charles Martin Clark  
Mrs. Howland S. Davis  
Mrs. Thomas A. Ennis  
Mrs. Frederic G. Hoppin  
Mrs. Frank MacLear  
Mrs. Peter Iselin  
Mrs. Edgar L. Marston, 2nd  
Mrs. Hunter S. Marston  
Mrs. Harold Ruckman Mixsell  
Mrs. Frederic C. Peck  
Mrs. George Grant Snowden, Jr.  
Mrs. John McN. Sullivan

### Honorary Members

Mrs. Theodore Abel  
Mrs. George W. Martin  
Mrs. Huntington McLane

\*By Invitation



## Medical Board

### Officers

#### *President:*

William S. Norton, II, M.D.

#### *Vice-President:*

Alexander E. W. Ada, M.D.

#### *Secretary:*

Edward J. Sivigny, M.D.

### Members

Alexander E. W. Ada, M.D.

Charles G. Adsit, Jr., M.D.

Albert H. Aldridge, M.D.

Luis A. Amill, M.D.

Orrin E. Anderson, M.D.

Benjamin H. Balser, M.D.

Leslie P. Barker, M.D.

Irving H. Beckwith, M.D.

Robert S. Beekman, M.D.

Charles F. Begg, M.D.

A. L. Loomis Bell, Jr., M.D.

William B. Bell, M.D.

G. Gordon Bemis, M.D.

John F. Bertles, M.D.

Charles R. Blair, M.D.

Louis S. Blancato, M.D.

Charles K. Bogoshian, M.D.

Peter A. Bossart, M.D.

David M. Bosworth, M.D.

Edward A. Bullard, M.D.

G. Edgar Burford, M.D.

Haig Carapetyan, M.D.

Malcolm W. Carr, D.D.S.

Robert B. Case, M.D.

Edward P. Childs, M.D.

Mather Cleveland, M.D.

G. Jarvis Coffin, M.D.

John M. Cotton, M.D.

Ruth J. Cudmore, M.D.

Frank J. Curran, M.D.

Harold W. K. Dargeon, M.D.

Arthur M. Davids, M.D.

\*Charles W. Davidson

Joshua W. Davies, M.D.

John Staige Davis, Jr., M.D.

Clayton R. De Haan, M.D.

Edward J. Donovan, M.D.

John W. Draper, M.D.

J. Frederick Eagle, Jr., M.D.

Robert T. Edmunds, M.D.

Harry Eggers, M.D.

William Epstein, M.D.

A. Reginald Everett, M.D.

Waldo B. Farnum, M.D.

James A. Feltman, M.D.

William Ferderber, D.D.S.

J. William Fielding, M.D.

Nathaniel Finby, M.D.

Hugh F. Fitzpatrick, M.D.

Robert W. Fraser, Jr., M.D.

†W. Guernsey Frey, M.D.

Francis G. Geer, M.D.

C. Louis Gilbert, M.D.

Maurice F. Goodbody, M.D.

Leonore L. Greteman, M.D.  
 Graham G. Hawks, M.D.  
 Samuel D. Hemley, M.D.  
 Herbert F. Hempel, M.D.  
 Albert C. Herring, M.D.  
 Reginald A. Higgons, M.D.  
 John G. Hill, M.D.  
 James G. Hilton, M.D.  
 Elizabeth B. Hinckley, M.D.  
 Walter Hipp, M.D.  
 Eugene L. Hoch, M.D.  
 George F. Hoch, M.D.  
 Frederick C. Hunt, M.D.  
 Leonard L. Hyams, M.D.  
 Jed H. Irvine, M.D.  
 Herbert F. Jackson, M.D.  
 Carl T. Javert, M.D.  
 F. Elmer Johnson, M.D.  
 Ira S. Jones, M.D.  
 Oswald R. Jones, M.D.  
 Virginia Kanick, M.D.  
 John H. Keating, Jr., M.D.  
 Richard P. Keating, M.D.  
 William T. Kennedy, M.D.  
 James C. Kirkbright, M.D.  
 Richard D. Kittredge, M.D.  
 Henriette Klein, M.D.  
 Emanuel Klempner, M.D.  
 W. Graham Knox, M.D.  
 Juan Larralde, M.D.  
 Van Peter Latsey, M.D.  
 Leonard M. Liegner, M.D.  
 Barbara J. Logan, M.D.  
 Earl A. Loomis, M.D.  
 David M. MacDonald, M.D.  
 William F. MacFee, M.D.  
 Locke L. MacKenzie, M.D.  
 James P. Marr, M.D.  
 Ashby G. Martin, M.D.  
 Robert McClanahan, M.D.  
 Colin W. McCord, M.D.  
 Duncan R. McCuaig, M.D.  
 Victor C. McCuaig, M.D.  
 Margaret H. McKee, M.D.  
 John M. McKinney, M.D.  
 Paul C. Morton, M.D.  
 Leon Motyloff, M.D.  
 E. Eugene Mullen, M.D.  
 Arthur J. Murphy, M.D.  
 Bernard N. Nathanson, M.D.

Joseph N. Nathanson, M.D.  
 William S. Norton, II, M.D.  
 Carl S. Oakman, M.D.  
 Bernard L. Pacella, M.D.  
 Herbert Parsons, M.D.  
 Boris P. Petroff, M.D.  
 Constantine Photos, M.D.  
 William J. Pyles, M.D.  
 Elise L. Renning, M.D.  
 Henry G. Rieger, D.D.S.  
 Nelson B. Sackett, M.D.  
 Charles F. Schettlin, M.D.  
 Fred J. Schilling, M.D.  
 Miles J. Schwartz, M.D.  
 James R. Scott, M.D.  
 Edward J. Sivigny, M.D.  
 Craig N. Smith, M.D.  
 Frank E. Smith, Jr., M.D.  
 Maxcy Jean Smith, M.D.  
 Robert F. Solley, M.D.  
 Frank Spielman, M.D.  
 Patricia Evelyn Spier, M.D.  
 Edward G. Stanley-Brown, M.D.  
 Richard B. Stark, M.D.  
 Stuart S. Stevenson, M.D.  
 Dudley C. Stone, M.D.  
 Hilton H. Stothers, M.D.  
 Edward Stroh, D.D.S.  
 John A. Taylor, M.D.  
 Samuel F. Thomas, M.D.  
 Frederick R. Thompson, M.D.  
 Harold M. M. Tovell, M.D.  
 Aino Tuul, M.D.  
 Theodore B. Van Itallie, M.D.  
 Esther M. Ward, M.D.  
 Elizabeth Watkins, M.D.  
 F. Stafford Wearn, M.D.  
 John P. West, M.D.  
 Doris L. Wethers, M.D.  
 Stanley Whitfield, M.D.  
 Aubrey L. Whittemore, Jr., M.D.  
 Leo F. J. Wilking, Jr., M.D.  
 Edward M. Winant, M.D.  
 Myron Wright, M.D.  
 Alexander W. Young, Jr., M.D.  
 Shyh-Jong Yue, M.D.  
 Harold A. Zintel, M.D.

\*By Invitation

†Deceased

## Standing Committees of the Medical Board—1965

### Executive Committee

William S. Norton II, M.D., *Chairman*  
Charles G. Adsit, Jr., M.D.  
Charles F. Begg, M.D.  
\*Charles W. Davidson  
Robert W. Fraser, Jr., M.D.  
Jed H. Irvine, M.D.  
Carl T. Javert, M.D.  
Elise L. Renning, M.D.  
Stuart S. Stevenson, M.D.  
Harold M. M. Tovell, M.D.  
Theodore B. Van Itallie, M.D.  
F. Stafford Wearn, M.D.  
Stanley Whitfield, M.D.  
Shyh-Jong Yue, M.D.  
Harold A. Zintel, M.D.

### Nominating Committee

Myron Wright, M.D., *Chairman*  
Leonard L. Hyams, M.D.  
Richard B. Stark, M.D.

### Committee on Blood Transfusions and Solutions

Myron Wright, M.D., *Chairman*  
Luis A. Amill, M.D.  
John F. Bertles, M.D.  
Louis S. Blancato, M.D.  
Hugh F. Fitzpatrick, M.D.  
James G. Hilton, M.D.  
Bernard N. Nathanson, M.D.  
\*Albert De Natale, Ph.G., Ph.C.  
Administrative Director, Blood Bank

### Committee on By-Laws and Rules and Regulations

Edward P. Childs, M.D., *Chairman*  
A. L. Loomis Bell, Jr., M.D.  
Haig Carapetyan, M.D.  
John M. Cotton, M.D.  
John W. Draper, M.D.  
Paul C. Morton, M.D.  
Theodore B. Van Itallie, M.D.  
John P. West, M.D.

\*By Invitation

### Committee on Diets

C. Louis Gilbert, M.D., *Chairman*  
Charles R. Blair, M.D.  
John Staige Davis, Jr., M.D.  
\*Charles W. Davidson  
Hugh F. Fitzpatrick, M.D.  
Maurice F. Goodbody, M.D.  
\*Sami A. Hashim, M.D.  
\*Peter R. Holt, M.D.  
Emanuel Klempner, M.D.  
\*William H. Sebrell, Jr., M.D.  
Leo F. J. Wilking, Jr., M.D.  
\*E. Alliene Mosso, B.S., M.A.  
Director of Dietetics

### Committee on Interns and Residents

Robert S. Beekman, M.D., *Chairman*  
Benjamin H. Balser, M.D.  
\*Charles W. Davidson  
Francis G. Geer, M.D.  
Graham G. Hawks, M.D.  
Margaret H. McKee, M.D.  
F. Stafford Wearn, M.D.  
Stanley Whitfield, M.D.

### Joint Conference Committee

Alexander E. W. Ada, M.D.  
William S. Norton II, M.D.  
Stuart S. Stevenson, M.D.  
Harold M. M. Tovell, M.D.  
Theodore B. Van Itallie, M.D.  
Harold A. Zintel, M.D.

*Board of Trustees:*

F. Huntington Babcock  
 W. Macy Chamberlin  
 Jarvis Cromwell  
 Daniel P. Davison  
 Henry B. Guthrie  
 Van R. Halsey  
 Clarence G. Michalis  
 A. Varick Stout

\*Charles W. Davidson

**Committee on  
 Medical Records and Library**

F. Stafford Wearn, M.D., *Chairman*  
 William Ferderber, D.D.S.

\*E. Grey Gooby  
 W. Graham Knox, M.D.  
 David M. MacDonald, M.D.  
 Miles J. Schwartz, M.D.  
 Edward J. Sivigny, M.D.  
 Elizabeth Watkins, M.D.  
 Aubrey L. Whittemore, Jr., M.D.

\*Rachael McLaughlin, B.A.

\*A. Rose Taddonio, R.R.L.

\*Helen Umano, R.N., B.S., M.A.  
 Director, Nursing Service

**Committee on  
 Medical Staff Education**

A. L. Loomis Bell, Jr., M.D., *Chairman*  
 Nathaniel Finby, M.D.  
 Richard P. Keating, M.D.  
 Elise L. Renning, M.D.  
 Frederick R. Thompson, M.D.

**Committee on Nursing**

Edward M. Winant, M.D., *Chairman*  
 Charles G. Adsit, Jr., M.D.  
 David M. MacDonald, M.D.  
 \*Robert E. McCabe, Jr., M.D.  
 Robert McClanahan, M.D.  
 Bernard N. Nathanson, M.D.  
 Carl S. Oakman, M.D.  
 Constantine Photos, M.D.  
 Craig N. Smith, M.D.  
 Stuart S. Stevenson, M.D.

\*Evelyn M. Peck, R.N., B.S., M.A.  
 Director, School of Nursing

\*Helen Umano, R.N., B.S., M.A.  
 Director, Nursing Service

\*By Invitation

**Committee on  
 Out-Patient Department**

Charles F. Schetlin, M.D., *Chairman*  
 Peter A. Bossart, M.D.

\*Hugh C. Davidson, Jr. M.D.

Francis G. Geer, M.D.

Eugene L. Hoch, M.D.

Virginia Kanick, M.D.

John H. Keating, Jr., M.D.

Van P. Latsey, M.D.

Earl A. Loomis, M.D.

Craig N. Smith, M.D.

Edward G. Stanley-Brown, M.D.

Richard B. Stark, M.D.

Edward Stroh, D.D.S.

\*Paul R. Torrens, M.D.

Elizabeth Watkins, M.D.

Edward M. Winant, M.D.

Alexander W. Young, Jr., M.D.

\*Harriet Ensign, R.N.,  
 Director of Admissions

\*Dorothy Wild, R.N.,  
 Director of Out-Patient Department

**Committee on  
 Pharmacy and Formulary**

Charles G. Adsit, Jr., M.D., *Chairman*

\*Charles W. Davidson

James A. Feltman, M.D.

Robert W. Fraser, Jr., M.D.

Leonora L. Greteman, M.D.

\*Michael H. Grieco, M.D.

James G. Hilton, M.D.

Jed H. Irvine, M.D.

Ira S. Jones, M.D.

Frank Spielman, M.D.

Samuel F. Thomas, M.D.

Doris L. Wethers, M.D.

Hugo V. de Caprariis, B.S.

Chief Pharmacist

**Committee on  
 Private Patients and Courtesy List**

John H. Keating, Jr., M.D., *Chairman*

\*Charles W. Davidson

A. Reginald Everett, M.D.

J. William Fielding, M.D.

Henriette Klein, M.D.

Carl S. Oakman, M.D.

Elise L. Renning, M.D.

## Special Committees

### Archives Committee

Richard B. Stark, M.D., *Chairman*  
Luis A. Amill, M.D.  
Haig Carapetyan, M.D.  
John H. Keating, Jr., M.D.  
Paul C. Morton, M.D.  
Hilton H. Stothers, M.D.  
Leo F. J. Wilking, Jr., M.D.

### Committee on

#### Cardiopulmonary Resuscitation

A. L. Loomis Bell, Jr., *Chairman*  
Hugh F. Fitzpatrick, M.D.  
Louis S. Blancato, M.D.  
\*Dorothy Reardon, R.N., B.S.

#### Committee on Management of Communicable Diseases and Infection Control

Charles K. Bogoshian, M.D., *Chairman*  
Charles F. Begg, M.D.  
\*Robert M. Cushing, M.D.  
\*Donald P. Dallas, M.D.  
Clayton R. De Haan, M.D.  
\*Charles W. Davidson  
Robert W. Fraser, Jr., M.D.  
Maurice F. Goodbody, M.D.  
Stuart S. Stevenson, M.D.  
\*Helen Umamo, R.N., B.S., M.A.  
Director, Nursing Service  
\*Victor Bokkenheuser, M.D.,  
Assistant Director of  
Laboratories (Microbiology)

### Disaster Committee

Robert T. Edmunds, M.D., *Chairman*  
Louis S. Blancato, M.D.  
\*Charles W. Davidson  
J. William Fielding, M.D.  
C. Louis Gilbert, M.D.  
\*F. Dennis Harrington  
\*Paul R. Torrens, M.D.  
Stanley Whitfield, M.D.  
\*Vivian J. Ahl, R.N., B.S., M.A.  
\*Helen Umamo, R.N., B.S., M.A.  
Director, Nursing Service  
\*Marcia Weed, R.N., B.S., M.A.  
Coordinator, Exchange Visitor Program

### Committee to Study Hospital Utilization

Robert W. Fraser, Jr., M.D., *Chairman*  
Benjamin H. Balser, M.D.  
Haig Carapetyan, M.D.  
Miles J. Schwartz, M.D.  
Robert F. Solley, M.D.  
Edward M. Winant, M.D.

### Intensive Care Unit

\*\*Hugh F. Fitzpatrick, M.D., *Chairman*  
\*\*A. L. Loomis Bell, Jr., M.D.  
Louis S. Blancato, M.D.  
\*Charles W. Davidson  
Edward G. Stanley-Brown, M.D.  
Stanley Whitfield, M.D.  
Myron Wright, M.D.  
\*Helen Umamo, R.N., B.S., M.A.  
Director, Nursing Service

### Radio-Isotope Committee

Richard P. Keating, M.D., *Chairman*  
Charles F. Begg, M.D.  
John F. Bertles, M.D.  
Nathaniel Finby, M.D.  
Virginia Kanick, M.D.  
Leonard M. Liegner, M.D.  
Bernard N. Nathanson, M.D.  
\*Richard N. Pierson, Jr., M.D.

### Operating Room Committee

Harold A. Zintel, M.D., *Chairman*  
Louis S. Blancato, M.D.  
\*Charles W. Davidson  
John W. Draper, M.D.  
Harry Eggers, M.D.  
W. Graham Knox, M.D.  
Henry G. Rieger, D.D.S.  
Frederick R. Thompson, M.D.  
Harold M. M. Tovell, M.D.  
Stanley Whitfield, M.D.  
\*Hilda Periera, R.N., B.S.  
Supervisor, Operating Room  
\*Averil Lawrence, R.N.,  
Supervisor, Operating Room,  
Woman's Hospital  
  
\*By Invitation  
\*\*As representatives of their respective  
Directors of Service

**Committee on Physical Medicine**Edward M. Winant, M.D., *Chairman*

Peter A. Bossart, M.D.

\*Robert S. Graham, M.D.

Jed H. Irvine, M.D.

Richard B. Stark, M.D.

\*Hudson J. Wilson, M.D.

**Committee on Private Practice Offices**Myron Wright, M.D., *Chairman*

Orrin E. Anderson, M.D.

A. L. Loomis Bell, Jr., M.D.

\*Charles W. Davidson

Robert T. Edmunds, M.D.

\*E. Grey Gooby

Richard B. Stark, M.D.

Harold M. M. Tovell, M.D.

**Joint Committee for Professional Care  
—Columbia University Health Service**C. Louis Gilbert, M.D., *Chairman*

Harry Eggers, M.D.

James A. Feltman, M.D.

David M. MacDonald, M.D.

Charles F. Schetlin, M.D.

**Committee on Public Relations**Robert S. Beekman, M.D., *Chairman*

Edward J. Sivigny, M.D.

Hilton H. Stothers, M.D.

**Committee on Study and Planning**John P. West, M.D., *Chairman*

Robert S. Beekman, M.D.

Charles F. Begg, M.D.

Edward P. Childs, M.D.

\*Charles W. Davidson, M.D.

Edward J. Sivigny, M.D.

Frederick R. Thompson, M.D.

Theodore B. Van Itallie, M.D.

**Committee on Teaching Affiliation  
With College of Physicians and Surgeons**

Edward P. Childs, M.D.

John M. Cotton, M.D.

\*Charles W. Davidson

Stuart S. Stevenson, M.D.

Harold M. M. Tovell, M.D.

Theodore B. Van Itallie, M.D.

Harold A. Zintel, M.D.

**Committee on Therapeutic Abortion**Harold M. M. Tovell, M.D., *Chairman*

John M. Cotton, M.D.

Theodore B. Van Itallie, M.D.

**Tissue Committee**Charles F. Begg, M.D., *Chairman*

Robert T. Edmunds, M.D.

Barbara J. Logan, M.D.

Edward J. Sivigny, M.D.

Richard B. Stark, M.D.

**Tumor Committee**Leonard M. Liegner, M.D., *Chairman*

John S. Aldridge, M.D.

Charles F. Begg, M.D.

John F. Bertles, M.D.

Harold W. K. Dargeon, M.D.

Robert T. Edmunds, M.D.

Nathaniel Finby, M.D.

Juan Larralde, M.D.

Duncan R. McCuaig, M.D.

\*Edward H. Reisner, Jr., M.D.

Charles F. Schetlin, M.D.

Harold M. M. Tovell, M.D.

**Committee on Animal Care**Charles F. Begg, M.D., *Chairman*

John W. Draper, M.D.

Hugh F. Fitzpatrick, M.D.

James G. Hilton, M.D.

**Laboratory Committee**Charles F. Begg, M.D., *Chairman*

Maurice F. Goodbody, M.D.

W. Graham Knox, M.D.

**Committee on Morningside House**

Francis G. Geer, M.D., *Chairman*  
Hugh F. Fitzpatrick, M.D.  
James A. Feltman, M.D.

**Patient Safety Committee**

Miles J. Schwartz, M.D., *Chairman*  
Edward G. Stanley-Brown, M.D.  
\*Hudson J. Wilson, M.D.  
\*Joan Backus, R.N., B.S., M.A.  
Associate Director, Nursing Service

**Fiduciary Trust**

Harold A. Zintel, M.D., *Chairman*  
Leslie P. Barker, M.D.  
Charles F. Begg, M.D.  
Louis S. Blancato, M.D.  
Frederick R. Thompson, M.D.  
Harold M. M. Tovell, M.D.  
Theodore B. Van Itallie, M.D.

**Committee on Home Care**

Charles K. Bogoshian, M.D., *Chairman*  
Carl S. Oakman, M.D.  
\*Paul R. Torrens, M.D.  
\*Louise Candland, R.N.  
\*E. Grey Gooby  
\*Erwin O. Blair

**Research Review Committee**

William S. Norton II, M.D.  
*(Ex-Officio), Chairman*  
Edward P. Childs, M.D.  
Richard B. Stark, M.D.  
Stuart S. Stevenson, M.D.  
Harold M. M. Tovell, M.D.  
Theodore B. Van Itallie, M.D.  
Harold A. Zintel, M.D.  
\*Charles W. Davidson  
\*W. Macy Chamberlin

\*By Invitation



## Administrative Staff—1965

### *Executive Director:*

Charles W. Davidson, B.A., C.P.A.

### *Associate Director:*

E. Grey Gooby, B.A., M.A.

### *Associate Director for Planning:*

Carl P. Wright, Jr., A.B.

### *Assistant Directors:*

F. Dennis Harrington, B.S., M.S.

Mary R. Meehan, R.N., B.S., M.A.

Arthur R. Slothower, B.S.

### *Administrative Medical Officer:*

Russell Apsey, M.D.<sup>1</sup>

### *Comptroller:*

Michael Zacharewicz, B.Sc., Acctg.<sup>2</sup>

### *Executive Secretary:*

Mrs. Elizabeth Feeney

### *Director of Admissions:*

Harriet N. Ensign, R.N.

### *Administrative Director, Blood Bank:*

Albert De Natale, Ph.G., Ph.C.

### *Director of Dietetics:*

E. Alliene Mosso, B.S., M.A.

### *Executive Housekeeper:*

Edward L. Dotter

### *Director of Laboratories:*

Charles F. Begg, M.D.

### *Supervisor of Laundry:*

Frederick Way<sup>3</sup>

Frank Sepkowski<sup>4</sup>

### *Medical Librarian:*

Rachael McLaughlin, B.A.

### *Medical Record Librarian:*

A. Rose Taddonio, R.R.L.

### *Methods Coordinator:*

Erwin O. Blair

### *Director of Nursing Service:*

Mrs. Helen Umamo, R.N., B.S., M.A.

### *Director of Out-Patient Department:*

Dorothy Wild, R.N.

### *Personnel Director:*

Robert J. Beaubien, B.S.

### *Chief Pharmacist:*

Hugo V. de Caprariis, B.S., Pharm.

### *Chief Medical Photographer:*

George Tanis

### *Superintendent, Plant*

and Maintenance:

Salvador A. Caruana

### *Director of Public Relations*

and Development:

Donald I. Selby, B.A.

### *Director of Purchasing:*

Lewis R. Keheley

### *Director of Radiology:*

Nathaniel Finby, M.D.

### *Director of School of Nursing:*

Evelyn M. Peck, R.N., B.S., M.A.

### *Director of Security:*

Inspector John J. O'Neill

### *Director of Social Service:*

Margaret Rouillion, R.N., B.S., M.S.

### *Supervisor of Sterile Supply:*

Helen Zelezniak, R.N.

### *Chief Telephone Operator:*

Mrs. Katherine E. Beers

### *Director of Volunteer Service:*

Dorothy R. Rader, B.S.

## Department of Religious Services

### *Director and Chaplain:*

The Rev. Cornelius P. Trowbridge,

A.B., D.D.<sup>5</sup>

The Rev. Carleton J. Sweetser, B.A., S.T.B.<sup>6</sup>

### *Associate Chaplain:*

The Rev. George C. Wyatt, Jr., B.S., S.T.B.

### *Associate Chaplain:*

The Rev. James C. Walworth, B.A.

### *Associate Chaplain:*

The Rev. Richard M. Louis, A.B., B.D.

<sup>1</sup>Retired May 1, 1965

<sup>2</sup>As of May 21, 1965

<sup>3</sup>Resigned April 23, 1965

<sup>4</sup>As of June 7, 1965

<sup>5</sup>Retired May 1, 1965

<sup>6</sup>As of October 1, 1965

# Hospital Volunteers

Abramowitz, Miss Susan  
 Abramson, Mrs. Frances  
 Ada, Mrs. Alexander E. W.  
 Adler, Mrs. Sadie G.  
 \*Aibinder, Mr. Arthur  
 Alexander, Miss Carol  
 Alexander, Miss Linda  
 Allan, Mrs. Russell  
 Ames, Mr. John  
 Anderson, Miss Karen  
 Apsey, Mrs. Russell  
 Arnold, Mrs. Adelaide  
 Arnot, Mrs. Clinton D.  
 Atkin, Mr. David  
 Auguste, Miss Gladys  
 Austin, Miss Judith  
 Avery, Mr. Thomas  
 Bailey, Miss Harriet  
 Bain, Mrs. Alan  
 Bancker, Mrs. John W.  
 Banks, Mrs. Charles  
 Banks, Mrs. William  
 Barjou, Mrs. Henry  
 Barnett, Miss Edith  
 Barron, Miss Grace  
 Basset, Miss Elsie  
 Batt, Miss Miriam  
 Bauer, Miss Louise  
 Bell, Mrs. A. L. Loomis  
 Bello, Miss Norma  
 Bennett, Mr. Charles  
 Berke, Mr. David  
 Berliss, Miss Elizabeth  
 Bertisch, Mrs. Leo  
 Biglow, Miss Anne  
 Bischof, Miss Bertha  
 Bishop, Mrs. Elizabeth  
 Black, Miss Virginia  
 Blair, Mrs. Charles  
 Boehm, Mr. Lincoln  
 Boehm, Mrs. Lincoln  
 Bolton, Mr. Richard  
 Boubnoff, Mr. Nicholas  
 Boyd, Miss Isabelle  
 Braver, Mr. John  
 Brenner, Mr. Philip

Brenner, Mr. William  
 Breuer, Miss Daisy  
 Breukel, Mrs. Margaret  
 Brown, Mr. Elihu T.  
 Brown, Mr. Peter  
 Brown, Miss Toni  
 Browning, Miss Adele  
 Budin, Mr. Joel  
 Burford, Mrs. George E.  
 Cabral, Miss Angie  
 Cabrera, Miss Borinquen  
 Callan, Miss Margo  
 Caminiti, Miss Carol  
 Canda, Miss Catherine  
 Carlton, Mr. Bruce  
 Carroll, Miss Marguerite  
 Carter, Mrs. C. Goodwin  
 Chaikin, Miss Joyce  
 Chamberlain, Mrs. Lawrence  
 \*Chase, Mr. Newton  
 Clark, Miss Constance  
 Clark, Miss Edythe S.  
 Cohen, Mrs. Ada R.  
 Coleman, Mrs. Simmons  
 Colon, Miss Mercedes  
 Ccniglio, Mrs. Lena  
 Connor, Mrs. Elise  
 Cox, Miss Patricia  
 Cragin, Miss Miriam  
 Crane, Miss Marguerite  
 Cuadro, Mr. Michael  
 Cutler, Miss Constance  
 Czarzasty, Mr. Paul  
 D'Afflitti, Mr. Joseph  
 Dahlquist, Mrs. Reta  
 Darrell, Miss Gwendolyn  
 Davidson, Mrs. Cyril  
 Davidson, Miss Deborah  
 Davidson, Mrs. William F.  
 Davis, Mr. George  
 De Castro, Mr. Dalton  
 Deets, Mrs. Lee  
 Defren, Miss Frances  
 Dell' Edera, Mrs. John  
 Del Vaille, Miss Linda  
 Dendy, Mr. Errol

De Pinies, Mrs. Felix  
 Diamond, Mr. David  
 Dickerson, Miss Dorothy  
 Dodd, Professor David  
 Dodd, Mrs. David  
 Dorr, Mrs. John  
 Dubilier, Mrs. Harold  
 Dubois, Miss Claudia  
 Eagle, Miss Anne  
 Edmunds, Mrs. Robert  
 Ellis, Miss Jacqueline  
 Engelstein, Dr. Fanny  
 Erwin, Mrs. George  
 Estes, Mrs. Young  
 Evans, Mrs. Carla  
 Evans, Mrs. Rhys  
 Ewald, Mr. Edwin  
 Faison, Miss Susan  
 Feliciano, Miss Vilma  
 Fleisher, Mr. James  
 Foley, Mrs. William  
 Fong, Miss Ahling  
 Frame, Mrs. Donald  
 Freund, Miss Ruth  
 Foster, Miss Doris  
 Fox, Mr. Bruce  
 Fuentes, Mrs. Jemma  
 Gaccioni, Mr. Anthony  
 Gaffron, Mrs. Rosalie  
 Ganz, Mrs. Ruth  
 Ganzenmuller, Mr. August  
 Garden, Miss Josephine  
 Genge, Miss Roanne  
 Gerdine, Miss Naomi  
 Gilbert, Mrs. C. H.  
 Gilbert, Mrs. C. Louis  
 Gilpatric, Miss Elizabeth  
 Gilpatric, Mrs. Margaret  
 Ginzberg, Mrs. Eli  
 Glassman, Miss Sheila  
 Goldschmidt, Miss Vivian  
 Gonzales, Miss Elizabeth Ma  
 \*Gorham, Mrs. Zeena  
 Gosden, Miss Rose  
 Grant, Mrs. Wheadon  
 Green, Miss Irene

Greenberg, Mrs. Edna  
 Greene, Mrs. Irene  
 Guilbert, Mrs. Charles M.  
 Guinsbourg, Mr. George  
 Hague, Mr. Thomas  
 Haim, Miss Margaret  
 Hall, Mrs. Floyd D.  
 Hamill, Mrs. Eleanor  
 Hamm, Mrs. Emilie  
 Harding, Mrs. Mabel  
 Harrell, Mrs. J. Kirby  
 Harris, Mrs. Lorraine  
 Hartford, Mrs. Charlotte  
 Harvin, Miss Henrietta  
 Hatton, Miss Helen  
 Haverly, Mr. John  
 Haycox, Mrs. Olive  
 Hayden, Miss Sarah  
 Heimer, Miss Marian  
 Henderson, Mr. Bruce  
 Henneberger, Miss Martha  
 Herold, Mrs. Albert  
 Hershfield, Miss Julie  
 Herzberg, Miss Claire  
 Hicks, Mrs. Mary  
 Hilliard, Mr. Charles  
 Hiromura, Miss Nancy  
 Hitchcock, Miss Catharine  
 Hoberman, Mr. David  
 Hock, Miss Sally  
 Hogue, Miss Helen  
 Holmes, Mrs. Winifred  
 Horn, Miss Thelma  
 Howard, Miss Rise  
 Hoyer, Miss Ruth  
 Hoyt, Miss Gertrude R.  
 Huntington, Mrs. Jennifer  
 Hurley, Mrs. Horace  
 Hutner, Mr. Reed  
 Ida, Mrs. Fumiko  
 Indyke, Miss Donna  
 Ingenhuett, Mrs. Bernice Arthur  
 Isaacson, Mrs. Jeanette  
 Jackson, Mr. Bruce  
 Jackson, Miss Charlotte  
 James, Miss Margaret

Jenkins, Miss Mary  
 Jones, Miss Anita Rae  
 Jones, Mr. Harry  
 Jones, Mr. Lawrence  
 Jordan, Mrs. Robert  
 Katsoulis, Miss Toulia  
 Kelley, Mrs. Wilbur R.  
 Keyser, Mrs. Cassius  
 Kidd, Miss Wanda  
 Kienle, Miss Catherine  
 King, Miss Jerilyn  
 Kleinman, Mr. Jack  
 Knapp, Miss Adeline  
 Knauert, Mr. Arthur  
 Koenig, Miss Susan  
 Krstulovic, Miss Lelia  
 Kuhn, Miss Marion  
 Kuttler, Miss Marie  
 Lang, Mr. Fred  
 Lankester, Mrs. William  
 Larys, Miss Linda  
 Lawrence, Mrs. Charity  
 Lazarus, Mr. Edward  
 Lerner, Mr. David  
 Ligo, Miss Ida Louise  
 Linker, Miss Rose  
 Lippincott, Miss Clara  
 Loftin, Miss Barbara  
 Love, Mrs. Louise  
 Lozner, Mr. Jerrold  
 Ludwig, Mrs. Carl  
 McCaul, Mrs. Lucille  
 McDowell, Miss Lillian B.  
 McGuire, Mrs. Harold F.  
 McKendall, Mr. Robert  
 Mack, Miss Evelyn  
 Mack, Miss Marie  
 Maloney, Mrs. Milton C.  
 Mapes, Mr. Anthony  
 Margaretten, Miss Jane  
 Marks, Mrs. Sidney  
 Mascali, Miss Anna  
 Massa, Miss Mary  
 Mathews, Mrs. William J., Jr.  
 Matossian, Miss Armen  
 Matthews, Miss Grace

Mavrovitis, Mr. Lee  
 Medl, Mrs. William  
 Medvedeff, Mrs. Nathalie  
 Melendez, Miss Virginia  
 Melkonian, Miss Madeleine  
 Merrow, Mrs. Helen  
 Miller, Miss Carol  
 Miller, Mrs. Gertrude  
 Miya, Miss Mari  
 Moffett, Mrs. Yolanda  
 Moley, Mrs. Malcolm  
 Morris, Mrs. Frederick  
 Muenchen, Miss Juliet  
 Nawrocki, Miss Barbara  
 Nobis, Miss Mildred  
 Nolan, Mrs. Thomas  
 Norfleet, Mr. Norris  
 Norton, Miss Lorraine  
 Norton, Mrs. William  
 Oakman, Mrs. Carl  
 O'Brien, Mrs. John  
 O'Leary, Mrs. David  
 Oliver, Mrs. James  
 Olivier, Mr. Albert  
 Orceyre, Mr. Raoul  
 Orlin, Miss Barbara  
 Oster, Mr. Martin  
 Osterlich, Mrs. Anna  
 Page, Miss Joann  
 Passloff, Mrs. Goldye  
 Peckham, Miss Sylvia  
 Peevers, Miss Vivian  
 Perry, Miss Jackie  
 Peters, Miss Jacqueline  
 Pfaaf, Miss Rosemary  
 Phillips, Miss Wendy  
 Pick, Mrs. Olga  
 Pitter, Miss Cassandra  
 Pollack, Mr. Jay  
 Porter, Miss Ann  
 Posner, Miss Patricia  
 Price, Miss Cecelia  
 Prodis, Mr. Peter

\*Deceased

## Hospital Volunteers

(continued)

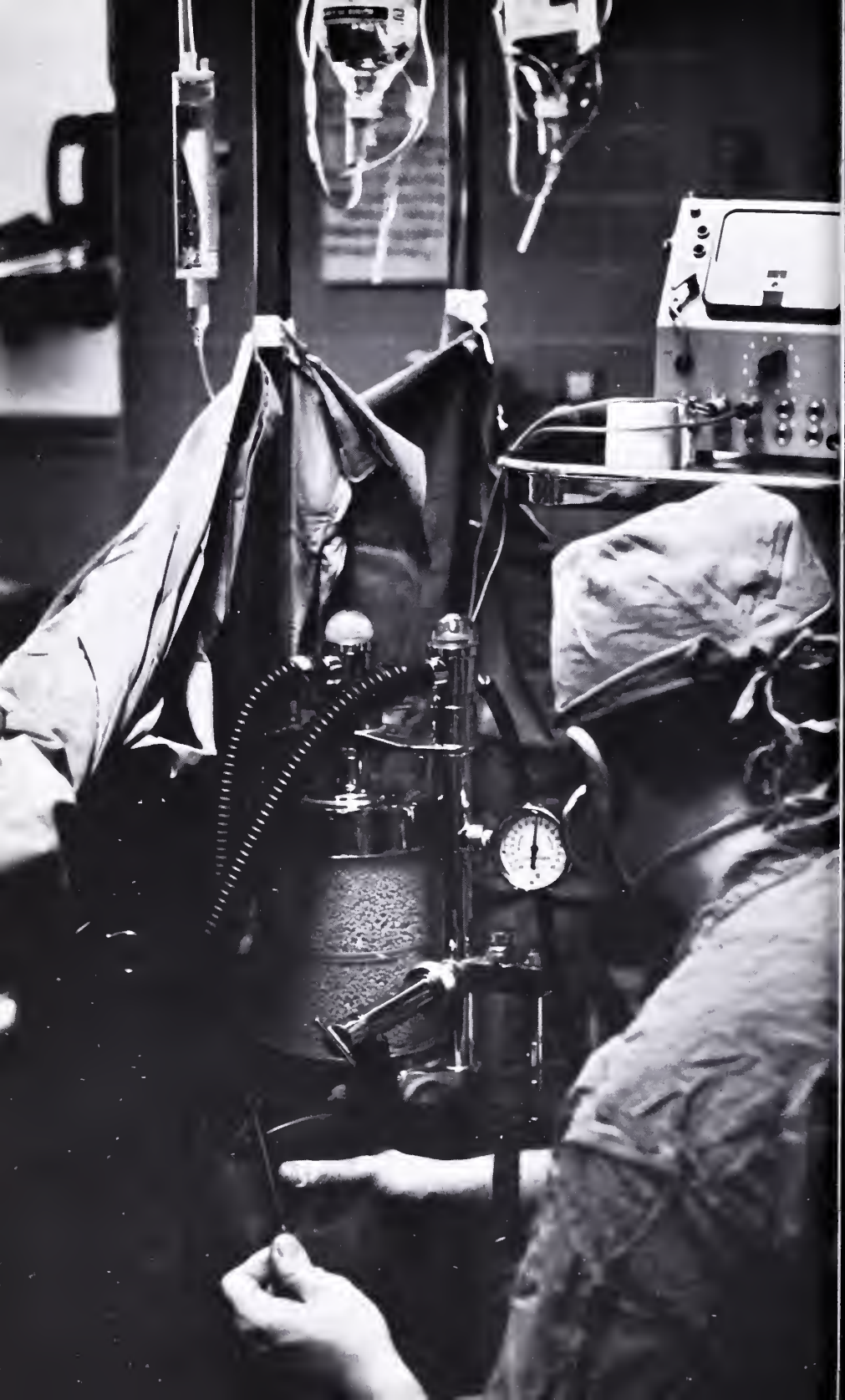
Pyle, Mrs. William F.  
 Ramirez, Mr. Edward  
 Rau, Miss Gertrude  
 Rich, Mrs. Eva  
 Riegger, Miss Ruth  
 Robbins, Mr. Jerry  
 Robbins, Mr. Noah  
 Rollinson, Miss Ethel A.  
 Romanacee, Miss Letitia  
 Romanoff, Mrs. Paul  
 Roosen, Mr. Robert D.  
 Ros, Mrs. Salvador  
 Rosenberg, Miss Merilee  
 Rosenberg, Miss Sona  
 Rosner, Miss Bella  
 Ross, Mrs. Frieda  
 Ross, Miss Marilyn  
 Rounds, Mrs. Harold  
 Roussos, Mr. George  
 Ruben, Miss Lois  
 Rubin, Mrs. Hermine  
 Runyon, Mr. Peter  
 Salmen, Mrs. Stanley  
 Saltus, Mrs. Ethel  
 Salz, Miss Judy  
 Sanborn, Miss Mildred L.  
 Sanderson, Mrs. Lucy G.  
 Santiago, Mr. Michael  
 Saunders, Miss Caroline  
 Scheiblich, Mrs. Ida  
 Schetlin, Mrs. Charles  
 Schneider, Mr. Jeffrey  
 Schoeler, Mrs. Walter  
 Schoenherr, Mrs. Ann  
 Schuz, Mr. Ludwig

Schwartz, Mr. Benjamin  
 Seldon, Mr. Dagvar  
 Selly, Mrs. Madeline  
 Shand, Mrs. R. Gordon  
 Shaw, Miss Natalie  
 Sheehan, Miss Mary  
 Shields, Miss Mary S.  
 Sinclair, Mrs. Frazer  
 Slothower, Mrs. Arthur  
 Smith, Mrs. Donald  
 Spear, Miss Helen  
 Spiegel, Mr. Allen  
 Spielman, Mr. Louis  
 Stabler, Miss Theresa  
 Stark, Mrs. Richard  
 \*Steedman, Miss Emily E.  
 Stein, Mr. Stuart  
 Sterling, Miss Antoinette  
 Stevens, Mrs. Edwin P.  
 Stevens, Mr. Richard  
 Stitt, Miss Elsie  
 Streeter, Mrs. John  
 Stukes, Miss Gertrude  
 Sykes, Miss Mabel  
 Tabori, Miss Carolyn  
 Tansill, Mrs. Duncan  
 Thawley, Mrs. John  
 Thompson, Miss Patricia  
 Thweatt, Mr. Alexander  
 Tooker, Miss Charry  
 Topson, Miss Madah E.  
 Townsend, Mr. Frank  
 Toyllens, Miss Nereida  
 Trittipio, Miss Ann  
 Trowbridge, Mrs. Cornelius

Twyeffort, Mr. Clarence M.  
 Uhlinger, Miss Margaret  
 Upjohn, Mrs. Everard M.  
 Valicenti, Mrs. Mitchel J.  
 Van Itallie, Mrs. Theodore  
 Ventura, Miss Elba  
 Vergeichik, Mr. Russell  
 Walker, Miss Argoldia  
 Walline, Miss Anne  
 Walsh, Miss Carol  
 Waltzer, Miss Hildreth  
 Weaver, Miss Susan  
 Webb, Mr. Drew  
 Welch, Mrs. Edmund  
 Wells, Mrs. Susan  
 West, Mrs. John  
 Whelan, Mr. Gerald  
 Whitesides, Miss Betsy  
 Wilder, Miss Alice  
 Wilking, Mr. Spencer  
 Wilkins, Mr. Dennis  
 Wolff, Miss Brenda  
 Wolman, Miss Sandra  
 Worth, Mrs. Merwin  
 Wu, Mr. Richard  
 Xantho, Mrs. Peter  
 Yaconetti, Miss Virginia  
 Yeiser, Miss Abbie  
 Young, Mrs. Walter  
 Yue, Mr. David  
 Zalles, Miss Maria

\*Deceased

# Service Reports and Medical Staffs





# Anesthesiology

Louis S. Blancato, M.D., Director

**T**he Department of Anesthesiology notes an increase for the year 1964 in the service it has provided to patients of St. Luke's Hospital Center. This has been not only in the main operating room suite at St. Luke's Hospital and the operating and delivery room of Woman's Hospital, but also in the recovery rooms at both units, the cystoscopy area on Clark 3, the cardio-respiratory laboratories, in the Psychiatric area, plus providing anesthesia for Cardioversions, and the observation of patients in the Intensive Care Unit. There has been a notable increase in the use of Diagnostic and Therapeutic Nerve Block Therapy.

The major activity of the service during the past year has been directed toward regaining full accreditation of our residency program. This, we are happy to report, has been accomplished and a full two-year approval has been granted. This goal has been realized mainly because of the intense effort and dedication of the Attending Staff of the department.

## Staff

The staff of the Department is at its numerically largest point in the history with nine Attendings, eleven Residents, (an increase of three over 1963) and three nurse anesthetists. The Department is pleased to announce that Dr. Blancato has been elected Treasurer of the New York State Society of Anesthesiologists. He also has been elected as President of District II of the same Society.

## Activities

As mentioned above, a great deal of the activity of the year has been concentrated on the improvement of the training program to



regain accreditation. Included in this work has been the preparation of lectures for the Basic Science Course given by members of the Attending Staff. A weekly Journal Club and a monthly Mortality-Morbidity Conference has been instituted in addition to the regular weekly Department meeting which consists of a Case Presentation and a talk by a Guest Speaker or by a member of the Attending Staff. All activities of the Department are popular and well attended and speak well of the enthusiasm of those concerned.

During the year we have been planning for the opening of the new Woman's Hospital, at which time the Department will provide complete physician coverage for the Obstetrical Department.

#### Statistics

There has been a considerable increase of service by the Department: from a total of 8,713 anesthetics administered in 1963 to the 1964 total of 10,734. This includes 5,231 for ward patients at St. Luke's and Woman's and 5,503 for private and semi-private patients of both hospitals. Breakdown of total includes: For General Surgery (including Pediatric Surgery, Plastic Surgery, Neuro-Surgery and Cardiovascular Surgery) 3,706; for Genito-Urinary 647; for Orthopedic Surgery 775; for ENT 763; for Ophthalmology 206; Gynecology 2,700; for Obstetrics 1,937.

In addition to surgical anesthesia the Department provided anesthesia for Cardiac Catheterization (16); Cardioversions (24); EST (8).

The Department has continued to use the technic of Deliberate Hypotension in conjunction with the Plastic Service; and the use of Hypothermia in Neuro-Surgical cases and Cardiac Cases.

# Dermatology

Leslie Paxton Barker, M. D., Director

**D**uring 1964 out-patient visits to the Dermatology Clinic at St. Luke's Hospital remained equal to 1963.

## Research Studies

Dr. Alex Young is continuing his study of geriatric dermatology. He is also carrying out a study of cutaneous calcinosis.

Dr. Leslie P. Barker and Dr. Perry M. Sachs have completed their study of pigmentary dermatoses of the lower extremities, the results of which will be presented in a paper to be read before the American Dermatological Society.

Dr. Barker is continuing his research studies on gynecodermatology.

## Staff Activities

Dr. Leslie P. Barker was guest lecturer at the post-graduate refresher course given by the Department of Obstetrics and Gynecology at the College of Physicians and Surgeons. His subject was "The Dermatological Problems Encountered in Gynecology".

Dr. Barker also gave the annual lecture to the residents at the College of Physicians and Surgeons on the subject of cardiovascular syphilis.

## Staff Conferences

Our weekly staff conferences have been continued under the direction of Dr. Alex Young.

Our residents also attend the weekly conferences of the Dermatology Department at Columbia P & S.

#### **Staff Changes**

Dr. Herbert Smokler has been advanced to chief resident and Dr. Eugene Sweeney is our assistant resident.

Dr. Roy Stephens who completed his three year residency training at St. Luke's last year is now serving with the U.S. Air Force in the Far East. He expects to return to New York in the fall of 1965 and enter private practice.

There have been no changes in the attending staff during 1964.

# Medicine

Theodore B. Van Itallie, M.D., Director

A unique characteristic of a department of medicine in a modern teaching hospital is that it must serve the needs of patients and also function as a graduate school for physicians. Thus, an internship or residency in medicine retains many of the characteristics of an apprenticeship and at the same time it increasingly has become as well a course of graduate study with a "curriculum" and a "faculty". The aim of such a program is to provide the young physician with medical knowledge in depth and to equip him to deal effectively with disease and its treatment. Since knowledge relating to disease has expanded rapidly, the quantity and complexity of the information to be taught also have increased remarkably. Thus, the interwoven responsibilities of patient care and physician teaching have been more and more subjected to scrutiny and evaluation.

There are many reasons for this growing preoccupation with the multiple responsibilities of a teaching department of medicine (and indeed the teaching hospital). First, the "community" through its agencies and representatives is becoming increasingly conscious of the quality of medical care with which it is provided. Awareness of the fact that the quality of care may vary widely quite naturally has resulted in demands for the "best" of medical care; unfortunately, these demands often have not been matched by a willingness to pay the necessary price. Second, individual patients are seeking better care and greater consideration by the hospital. Their claims grow in part from an improved understanding of the potentialities of medical care and in part from their knowledge that they are now purchasing care that formerly they had to obtain through charity. Many hospital staffs also have been redefining

their responsibilities to the community, not only because of outside pressures but also because of an inherent desire to be as effective as possible in the role in which they are cast.

For their part, interns and residents are expecting much more from the hospital. They are insisting on a superior educational program that offers both supervised clinical experience and intensive teaching. The three to five years of their lives spent in hospital training are precious and while the service he renders is in itself rewarding, the house officer of today properly feels that, in addition to being exposed to clinical problems, he should be able to mature intellectually in the teaching hospital environment and to emerge a well-trained specialist.

For those entrusted with the responsibility of operating a medical program designed to provide the best of medical care and at the same time the best of medical teaching, there are many challenges and many dilemmas. How does one improve teaching without greatly increasing the cost of care to the patient? How can one maintain a teaching program of high quality without simultaneously conducting an increasing number of research programs oriented toward medical problems? How can the hospital meet its responsibilities for dealing with health problems if it does not concern itself with prevention of disease in the community and the problems of delivering care more effectively to ambulant patients?

There are no easy answers to these and the many other questions that our times have forced upon the teaching medical service and its parent hospital. The fact that more and more pertinent questions are being asked and given serious attention represents progress. As B. F. Skinner has stated it: "No enterprise can improve itself to the fullest extent without examining its basic processes." Perhaps the most significant development in the teaching hospital of the present day is that this kind of self examination is now actively in progress. From such self-study many important changes will result—in the organization and delivery of medical care, in methods of providing continuing education, and in the better articulation of research and medical scholarship with other hospital activities.

During the next decade, annual reports from departments such as this will record these changes and a reading of the present report should reveal the direction in which the winds of change are blowing and give some indication as to their intensity.

## Staff Activities

In 1964, the medical service was represented in the scientific literature by thirty-one publications. Dr. Theodore B. Van Itallie continued service on two subcommittees of the National Research Council (Role of Dietary Fat in Human Health and Recommended Dietary Allowances). He also served as a director of the American Diabetes Association, was appointed Chairman of the Advisory Board to the American Dietetic Association, and became a member of the editorial board of the Journal of Clinical Pharmacology and Therapeutics. Together with Dr. S. A. Hashim, Dr. Van Itallie delivered the Walter C. Russell Memorial Lecture at Rutgers University. The topic was "Physiology and Metabolism of Saturated Medium Chain Triglycerides."

Dr. K. G. Pinter joined the department as clinical director of the metabolic research ward. Dr. Pinter came from Tulane where he was an assistant professor of medicine associated with Dr. Grace Goldsmith.

Dr. Paul Torrens made an extended tour of East Africa, taking part in a survey of hospital and public health facilities of Kenya, Uganda, and Tanganyika. During his trip he visited 18 hospitals and 15 public health centers.

During 1964, a variety of outside lectures, seminars and other teaching exercises were conducted by members of the staff. A paper entitled "Crete: A Study in the Metabolic Epidemiology of Coronary Disease" by Dr. George Christakis and associates was included among 10 national winners of the Young Investigators Award Competition given by the American College of Cardiology. This paper was presented by Dr. Christakis at the annual meeting of the College in New Orleans.

## Patient Care and the Teaching Program

During 1964, there were 3839 medical admissions divided fairly equally between ward, semiprivate and private services. There was a total of 65,689 patient days for medical patients in these three categories; there were 25,816 patient days on the wards alone. The medical ward occupancy rate for the year averaged 81.3 per cent, with an average daily ward census of 70.7. Not included in these figures are the six beds on the Intensive Care Unit allotted to medical ward patients.

There were 64,657 visits to the Emergency Room and 31,631 visits to the general medical and medical subspecialty clinics.

Continuing attention was given to the emergency room and the various medical outpatient clinics and their problems. All too frequently, hospital ambulatory services have been treated as step-children, and it is only in recent years that strenuous efforts have been made to improve their efficiency and effectiveness. A study of Emergency Room utilization was initiated by Dr. Torrens and the Community Health Studies Unit. It was clearly shown that this facility is no longer used by the community primarily for emergency purposes but has become a general clinic in its own right.

Accordingly, the Emergency Room has been reorganized to provide for a screening center manned by house officers responsible for referring the incoming patient directly to the facility appropriate to his problem. In addition, an Acute Medical Care Clinic has been established to provide prompt diagnosis and treatment for minor and usually self-limited illnesses. Patients requiring a thorough evaluation are referred to the general medical clinic and, occasionally, from the medical clinic to a suitable subspecialty clinic. An attempt has been made to strengthen the staffing of the general medical clinic by retaining the more senior physicians in a supervisory and teaching capacity. It is anticipated that the general medical clinic and the entire outpatient structure will increasingly provide family-centered comprehensive medical care with more and more emphasis on continuity of care, preventive medicine, consultation and educa-



tional services to community physicians, and in-service teaching for medical students and house staff.

A medical service Committee on Charts was established with Dr. E. P. Childs as chairman. This committee is charged with the responsibility of recommending desirable charting procedures for the Department of Medicine and for periodic review of charts to determine whether the necessary standards are being maintained.

The Medical Service continued to participate actively in the teaching of medical and graduate students from Columbia University. The usual elective course in physical diagnosis was given in the spring for 32 second-year students and was under the direction of Dr. A. L. Loomis Bell. Dr. James G. Hilton continued to supervise the training of fourth-year students assigned to the wards as student house officers. A large group of preceptors drawn from the attending staff of the department participated in the fourth-year teaching activities. A formal course in clinical nutrition was given by the nutrition-metabolism group for graduate students enrolled in the program of the Institute of Nutrition Sciences, Columbia University. For the first time in St. Luke's history, three postgraduate courses in medicine were offered to the medical profession in conjunction with the postgraduate teaching program of the College of Physicians and Surgeons. The courses were as follows: Clinical Cardiology (Dr. E. P. Childs and associates), Clinical Hematology (Dr. J. F. Bertles et al), and Clinical Nutrition and Metabolism (Drs. Van Itallie, Sebrell, Hashim and Pinter).

Members of the medical service staff also participated in medical student teaching at the Columbia-Presbyterian Medical Center. Dr. Van Itallie conducted chief of service rounds at the Presbyterian Hospital (center service) during July and August and took part in two Combined Saturday Clinics. A number of staff members participated in Group Clinic (for fourth-year students) at the Vanderbilt Clinic.

## Research

*Allergy Research Laboratory* The allergy laboratory, having come into existence in July 1964, spent the greater part of the initial six months of operation acquiring laboratory equipment and setting up the methods required for proposed studies. The chief laboratory project involves the attempt to demonstrate the significance of bacterial hypersensitivity in infectious asthma. A technique for the fluorometric assay of histamine was developed and plans were made to apply this technique to the measurement of histamine release from the leucocytes of patients with perennial asthma following the addition of various bacterial extracts.

In another study vacuoles were demonstrated within eosinophils present in nasal secretions of ragweed-sensitive patients following nasal aerosol challenge with aqueous ragweed extract, presumably representing antigen-antibody complex. An attempt will be made to localize ragweed  $I_{131}$  in the eosinophils collected from nasal secretions following labeled ragweed aerosol provocation utilizing autoradiographic studies.

Continuing study in the area of penicillin allergy resulted in the demonstration of cross-allergenicity of the penicillins and the cephalosporins. It had been previously hoped that the semi-synthetic derivatives of cephalosporin C could be substituted freely for penicillin in patients with significant penicillin hypersensitivity.

### ALLERGY RESEARCH LABORATORY STAFF:

Michael H. Grieco, M.D.

Part-time

Director

*Cardiopulmonary Laboratory* The Cardiopulmonary Laboratory continued under the direction of Dr. O. Jones and Dr. A. L. Loomis Bell, Jr. with the assistance of Drs. Seiichi Shimomura and Veljko Krstulovic.

Study of the pharmacology and physiology of the pulmonary circulation by wedge pulmonary arteriography remains the major area of research interest. The wedge perfusion method of study, a technique originated in the cardiopulmonary laboratory, allows precise analysis

of the influence of vasoactive drugs and the respiratory gases (oxygen and carbon dioxide) and blood acidity on the pulmonary circulation in both the experimental animal and man. Extensive studies on the effects of acetylcholine, isoproterenol, isoetharine, and nor-epinephrine on the wedged pulmonary segment in the dog have been completed and are being prepared for publication.

Approximately 25 experiments have been performed involving perfusion of blood previously equilibrated to known levels of  $P_{CO_2}$  and  $P_{O_2}$  and adjusted to acid or alkaline pH. By these studies the magnitude of the vasoconstrictor or vasodilator, properties of oxygen, carbon dioxide, and  $[H^+]$  may be assessed separately and precisely, and any interaction between the variables studied.

A study on the effectiveness of an oral respiratory stimulant ethamiran on patients with pulmonary emphysema has been completed and the results have been submitted for publication.

Computer analysis of the interrelationships between smoking habits, respiratory illnesses, and spirometer lung function of 200 male preparatory students has been completed.

Studies on the effect of hyperventilation on carbon monoxide diffusion capacity and carbon monoxide uptake have been conducted in animals and patients, the latter with lung disease, and in normal subjects for purposes of comparison.

The research activities of the cardiopulmonary laboratory are supported by the Stony Wold Corporation, The National Institutes of Health, The Vincent Youmans Memorial Fund, and the Catherine Van Rensselaer Memorial Fund.

#### CARDIOPULMONARY LABORATORY STAFF:

Oswald R. Jones, M.D.		Consultant to the Laboratory
A. L. Loomis Bell, M.D.	Full-time	Director
Seiichi Shimomura, M.D.	Full-time	Assistant Director
Veljko Krstulovic, M.D.	Full-time	Assistant Director
Lucy Swift, M.D.	Full-time	Pediatric Cardiologist
William Haynes, M.D.	Part-time	Clinical Associate
C. Reddington Barrett, M.D.	Full-time	Senior Pulmonary Fellow
Airlie Cameron, M.D.	Full-time	Research Fellow
Nicholas Steiner, M.D.	Full-time	Research Fellow

*Community Health Studies Unit*—The major feature of the Community Health Studies Unit's activities during the past year has been the development of a Medical Sociology section within the Unit. Dr. Jane Hauser, an experienced and competent investigator in the field of sociology joined the Unit full-time to develop the Sociology section, and through her efforts, the Unit has been brought in close informal contact with the Department of Sociology at Columbia.

The past year saw a continuation of the two major research endeavors already in progress; a study of Emergency Room patients in four New York City hospitals has been nearly completed and publication of results will soon occur (preliminary results have already stimulated a great deal of nation-wide interest); the study of the problems of providing long-term care in the home to patients with chronic cardiac disease continued into its second year and has begun to produce valuable information both about chronic cardiac disease and medical care organization.

During the past year, two additional research and demonstration programs were begun. In one, the Community Health Studies Unit has established a satellite office within a middle-income housing development near the Hospital and is working with a group of six hundred elderly residents to develop a community organization which will provide for the health needs of the members after retirement; concurrently with the development of this community organization, research studies are being carried out dealing with the economics of medical care among middle-income elderly persons.

The second new research project involves a study of patients with asthma who are chronic Emergency Room utilizers. An attempt is being made to determine why these patients do not place themselves under long-term preventive care in the Out-Patient Department and what steps would be necessary to get them under proper care, thereby reducing the incidence of acute attacks.

In teaching, the Community Health Studies Unit continued to take part in a variety of graduate and undergraduate programs. For the third year in a row, medical students from various parts of the country were brought to the Community Health Studies Unit under the

New York City Health Department's research training program. Eight in number, they each spent three months working on various aspects of research currently in progress. Graduate students from the Columbia University School of Public Health continued to use the facilities of the Community Health Studies Unit as part of their formal courses and their research, as did graduate students from the Department of Sociology at Columbia. Also during this year, an agreement was developed whereby graduate students in public health nursing at New York University will use the Community Health Studies Unit as a field laboratory.

During the past year, the Community Health Studies Unit was fortunate enough to be able to call upon Dr. Frederick Mott as a consultant. An internationally respected authority in the area of organization and financing of medical services, Dr. Mott brings a wealth of information and experience in this increasingly important area.

COMMUNITY HEALTH STUDIES UNIT STAFF:

Paul R. Torrens, M.D., MPH	Full-time	Director
Coenraad R. Westermann, M.D.	Part-time	Research Associate
Jane Z. Hauser, Ph.D.	Full-time	Research Associate
Frederick M. Mott, M.D.		Consultant
Kenneth W. Weinstein, M.D.	Full-time	Research Associate
Beatrice B. Berle, M.D.	Full-time	Research Associate

*Laboratory of Experimental Cardiology* During the past year, the laboratory continued its investigations into the metabolic and physiological disturbances occurring during inadequate supply of blood to the heart. These disturbances were related to concurrent changes in the electrocardiogram. The behavior of the S-T segment during coronary insufficiency was correlated with changes in potassium metabolism and the appearance of myocardial cellular acidosis. In addition, a unique phenomenon, S-T and pulsus alternans, was seen during prolonged coronary insufficiency and correlation of these electrical, mechanical and metabolic abnormalities was made. Dr. Case presented this work at the International Symposium on the cardiorespiratory effects of hypoxia, at Queen's University, Kingston, Ontario, Canada.

Dr. Roven described the beneficial effects of a left-to-right atrial shunt during left ventricular failure before the Spring Scientific Symposium of the New York Heart Association, held at the N.Y. Academy of Medicine. This work subsequently was published in *Lancet*.

In another study, an evaluation of the contribution of atrial systole to ventricular stroke work was made by varying the interval between atrial and ventricular contraction.

A simple technique for calibrating the electromagnetic flowmeter was developed with use of cellophane dialysis tubing rather than excised segments of blood vessels. This simplified method, shortly to be published in the *Journal of Medical Electronics*, will remove flowmeter calibration from the present difficulties of leaky vessel segments, sticky wax and burial in mortite clay.

In the clinical field, the laboratory was very active. Doctors Case and Roven invented a cardiac catheter with a helical marker. This novel marker provides the user with a three-dimensional view of the catheter inside the heart and great vessels. A model of this catheter, along with a televised film of it in action, was exhibited at the annual meeting of the American College of Cardiology in Boston, and a report appeared in *Lancet*.

Members of the laboratory participated actively in the clinical care of heart disease in both the children's and adult cardiac clinics. Dr.



Case is also chief of the Cardiac Consultation Clinic for the Department of Health, Riverside Branch, and is assisted there by Doctors Roven and Crampton. An extensive investigation is under way of the clinical signs of coronary and hypertensive heart disease, with useful data recorded for over one hundred afflicted patients so far.

Members of the laboratory also attended both the national and eastern meetings of the American Federation for Clinical Research, the American Heart Association meetings, and the meeting of the Federated Societies for Experimental Biology and Medicine. Dr. Douglas M. Griggs, Jr., an alumnus of St. Luke's and the laboratory, presented an interesting paper on myocardial metabolism at the eastern meeting of the American Federation for Clinical Research.

During the year, the activities of the laboratory were enhanced by the work of three premedical students: Fred Levine, now in his first year at Harvard Medical School, Roy Fleischmann, entering the next first-year class at the Downstate Medical Center, and Charles Kawada, returning to his premedical course at Amherst College.

#### LABORATORY OF EXPERIMENTAL CARDIOLOGY STAFF:

Robert B. Case, M.D.	Full-time	Director
Richard S. Crampton, M.D.	Part-time	Assistant Director
Robert B. Roven, M.D.	Part-time	Research Associate
Harry A. Roselle, M.D.	Full-time	Research Fellow

*Gastrointestinal Unit* During 1964, there has been continuing progress in the research and training program of the Gastrointestinal Unit. Dr. Susanne Bennett, who obtained her Ph.D. in Physiology in Australia, came to St. Luke's as associate physiologist, and David Chalfin, M.D., Ph.D., as research fellow, to work in the research laboratory. Dr. Gilbert Cherrick has joined the Unit after many years of clinical experience and investigation in diseases of the liver. Dr. Charles Flood continues to be in charge of the endoscopy service and Drs. John Du Bois, Francis Geer, Louis Gilbert, Robert Kerr, Benjamin Kightlinger, and Richard McCray have participated in the clinical and research activities of the Unit. At least one medical resident is in rotation through the Unit at all times.

Studies of intestinal bile salt absorption revealed that competitive inhibition between differing bile salts occurred during active ileal



absorption of these compounds. This observation suggested that a stereospecific carrier may exist at the mucosal membrane, and that other nonbile salt steroidal compounds may compete for such a carrier site inhibiting intestinal bile salt absorption. Pronounced inhibition of bile salt absorption could be hypocholesterolemic *in vivo*. Experiments in human volunteers last year had suggested that the ingestion of the anionic detergent Tween 80 might also alter the intestinal absorption of bile salts but *in vitro* studies with rat intestinal slices failed to show such an effect. Thus we were unable to recommend the use of this compound in order to reduce the steatorrhea associated with administration of cholestyramine to patients with biliary cirrhosis.

In conjunction with Drs. Hashim and Van Itallie of the metabolic group, synthetic medium chain triglycerides (MCT) were shown to abolish or greatly alleviate the intestinal malabsorption of fat and proteins associated with a number of gastrointestinal disorders. These included cystic fibrosis, biliary atresia and the blind loop syndrome. In addition, steatorrhea, hypoalbuminemia and losses of protein into the intestinal tract in the disease intestinal lymphagiectasia were improved by the prolonged administration of MCT. No other form of therapy had previously been found effective in this condition. Animal experiments with MCT have shown that the diversion of bile does not affect intestinal MCT absorption, whereas pancreatic diversion seriously reduces the absorption of these fats. One of the reasons for the beneficial effects of MCT might be due to the fact that the small intestine readily metabolizes the constituent fatty acids. The small intestine has been shown to be one of the most metabolically active tissues in the body. It was shown that intestinal MCT metabolism was 10-fold greater than hepatic slice metabolism and also 10-fold greater than intestinal metabolism of long chain fatty acids. Studies are being pursued to determine the physiologic importance of this phenomenon during intestinal lipid absorption.

A new method for the investigation of human albumin metabolism using a combination of Iodine<sup>125</sup> and Chromium<sup>51</sup>-labeled albumin

has been devised in this laboratory and is under continuing study. This method seeks to determine the precise mechanisms causing hypoalbuminemia in patients with various diseases. It was shown that less than 10 per cent of albumin catabolism in man occurs in the gastrointestinal tract, a quantity far smaller than had previously been suggested. In studies of canine sodium and water absorption *in vivo*, it was shown that aldosterone may temporarily enhance sodium insorption by the colon. Alteration of dietary sodium intake, however, did not consistently alter the pattern of absorption of sodium and water by the colon.

The Gastrointestinal Unit has provided consultation services for patients within the hospital and special techniques for both inpatients and outpatients. These procedures included esophagoscopy and gastroscopy (including fiber-gastroscopy), percutaneous liver and peroral gastrointestinal biopsies, pancreatic and gastric secretion studies, and collection of specimens for gastric cytology. All the members of the Unit have participated in the general teaching program of the hospital. Twice weekly ward rounds, monthly planned conferences, twice monthly clinical-pathology correlative conferences, and weekly Gastrointestinal Radiology and Clinic conferences have been held. These are open to all members of the Medical Service.

The research work of the gastrointestinal laboratory was supported by grants from the Health Research Council of New York, the New York Heart Association, and the National Institutes of Health.

#### GASTROINTESTINAL UNIT STAFF:

Peter R. Holt, M.D.	Full-time	Director
Susanne Bennett, Ph.D.	Full-time	Associate Physiologist
Gilbert Cherrick, M.D.	Part-time	Clinical Associate
John DuBois, M.D.	Part-time	Clinical Associate
David Chalfin, M.D., Ph.D.	Full-time	Research Fellow
Esteban Mezey, M.D.	Full-time	Research Fellow

*Hematology Unit and Arthur H. Bunker Hematology Research Laboratory* Investigations have continued on duck heterogeneous hemoglobins. Hemoglobin III, which is present in new-born ducks but disappears during maturation, was traced back to embryonic life, demonstrating a similarity to human fetal hemoglobin (Hb F). Through emulation of the known effect of megaloblastic anemia on "recalling" Hb F synthesis in adult humans, Hb III synthesis was successfully recalled in adult ducks with methotrexate-induced megaloblastic anemia. The significance of these findings lies in epigenetic concepts concerning repression and de-repression of genetic material: hypotheses advanced by others (e.g., involving the role of histones in genetic repression) may conceivably be tested in this system.

A prominent characteristic of maturing erythroid cells is the progressive loss of capacity to synthesize hemoglobin, spoken of as "decay" of messenger RNA activity. Different decay rates have been implicated by others in observed variations in human hemoglobin proportions. We have secured evidence that the capacity for Hb I synthesis in duck erythroid cells decreases relatively faster than that for Hb II synthesis, and are searching for mechanisms.

This year the research program expanded to include investigations into manipulability of human hemoglobin proportions. Effects of pregnancy, with its attendant nutritional deficiencies (iron and folic acid) and hormone excesses, on Hb A/S and F/S proportions in Hb S hetero- and homo- zygotes are being sought. It is expected that information gained from the experimental animal work can be applied to these clinical problems.

HEMATOLOGY UNIT AND ARTHUR H. BUNKER HEMATOLOGY RESEARCH LAB. STAFF:

John F. Bertles, M.D.	Full-time	Director
Thomas A. Borgese, Ph.D	Full-time	Consultant in Biochemistry
Jonas Goldstone, M.D.	Part-time	Clinical Associate
Eleanor Roth, M.D.	Part-time	Clinical Associate

*Nutritional and Metabolic Research Unit* During the year, the metabolic ward with its supporting staff was moved to Plant 3. Early in 1966, the entire nutrition-metabolism unit will be moved to new quarters currently under construction in the Woman's Hospital building. In August, Dr. K. G. Pinter joined the group as clinical director of the metabolic research ward.

Studies performed by the staff on the consequences of long-term bile acid sequestration in man indicate that cholestyramine resin is a safe and effective therapeutic agent for the treatment of hypercholesteremia. Cholestyramine was administered to nine hypercholesteremic patients for periods ranging up to four years. Eight of the subjects reached and maintained serum total cholesterol levels 50 to 80 per cent of control values. Serum cholesterol levels remained unchanged in the ninth subject; however, during treatment massive xanthomatous deposits in the skin gradually decreased in size. The effect of cholestyramine on fecal output of bile acids and neutral sterols was measured in hypercholesteremic and normal subjects. All individuals exhibited a marked increase in bile acid excretion during resin therapy. Neutral sterols did not show any consistent response. During cholestyramine treatment no systemic side effects were observed.

Prolonged treatment with cholestyramine of pruritus in patients with biliary cirrhosis confirms and extends the original observations of the effectiveness of this agent in such patients. Of the five patients followed on resin treatment for periods up to four years, two have died of the complications of their liver disease. Postmortem examination of these patients failed to reveal any evidence of hepatic calcification of the type reported by another investigator. The two living patients who have been on resin treatment the longest (4 years each) remain free of pruritus and have continued to lead relatively comfortable lives.

Studies of malabsorption induced experimentally by large doses (30 gm) of cholestyramine in otherwise normal subjects have been confirmed and extended. Dr. John J. DuBois reported on amelioration of cholestyramine-induced steatorrhea by the surfactant Tween

80. Dr. Robert B. Zurier has observed abolition of cholestyramine-induced steatorrhea when subjects are given medium chain triglyceride as their sole fat source. These studies emphasize the important role played by bile acids in the absorption of long chain fats and their dispensability in the digestion of medium chain fats, and serve as useful contributions to our understanding of the mechanisms of fat digestion and absorption.

A report of the effectiveness of medium chain triglycerides in the treatment of chyluria and other chylous fistulas has been published. It is to be noted that the subject of the report has now been maintained on MCT for three and a half years. He continues to be free of chyluria and proteinuria and leads a normal life.

The original report from the Unit on the use of medium chain triglyceride in the treatment of steatorrhea associated with pancreatic disease has been extended in collaboration with Dr. Peter R. Holt. Studies have demonstrated the effectiveness of MCT in the treatment of a variety of malabsorption syndromes: pancreatogenous steatorrhea associated with chronic pancreatitis and cystic fibrosis; post-gastrectomy steatorrhea; protein losing enteropathy with steatorrhea and intestinal lymphangiectasia. A current study by Dr. Robert B. Zurier and Dr. Robert Campbell has demonstrated the effectiveness of MCT in the treatment of malabsorption and malnutrition in two patients with massive resection of the small intestine.

Studies of absorption of medium chain triglycerides have been conducted in dogs with indwelling portal vein catheters. Direct evidence for the portal venous transport of caprylic acid- $C^{14}$  in free fatty acid form has been obtained following intraduodenal administration of  $C^{14}$ -labeled tricaprylin. These experiments suggest that the medium chain triglyceride is extensively hydrolyzed in the lumen or the mucosa of the intestine (or both) prior to absorption of its component fatty acids into the portal vein. Studies of the fate of these fatty acids once they reach the liver and their influence on dynamics of glucose transport and ketogenesis are currently being performed by Dr. Robert Campbell. Preliminary results indicate that octanoate may inhibit glucose output by the liver.

The influence of long chain triglycerides on chylous transport of odd and even numbered medium chain triglycerides has been investigated by Dr. Daisy Lee with use of thoracic duct-cannulated rats. Studies have shown that under normal conditions, following a meal of pure medium chain triglyceride, a very small fraction (less than 1%) of the fatty acids in chyle are of medium chain length. However, it is possible to increase the proportion (up to 10%) of these fatty acids in chyle by mixing the MCT with long chain triglyceride. Chromatographic studies of chyle lipids have shown that medium chain acid transport, when it occurs in chyle, is in the form of triglyceride, in contrast to its transport as free fatty acid in the portal vein. Dr. Lee has developed a new catheter system designed for continuous collection of lymph from the thoracic duct of rats. Use of this preparation for the study of absorption of a variety of lipid substances is currently being investigated.

The effect of linoleate-rich diets on tocopherol requirement in infants has been extended to premature infants by Dr. H. Hassan in collaboration with the Pediatric Service. It appears that the premature infant responds to such diets in a manner similar to the full-term infant. His requirement for tocopherol (vitamin E) increases when he consumes a linoleate-rich diet. Incorporation of linoleate into the adipose tissue and erythrocyte lipids of the premature infant is extremely rapid. It is estimated on a very tentative basis that the daily requirement for tocopherol of infants ingesting polyunsaturated fatty acid-rich diets may be as high as 100 mg per day. In contrast, in adults studied in collaboration with Dr. George J. Christakis, the adipose tissue incorporation of linoleate was slow, with a 100% increase in four years. The adult subjects did appear to require supplemental tocopherol. Dr. Christakis has completed studies of the "metabolic epidemiology" of coronary heart disease on a segment of the male population on the island of Crete. These studies have shown a low incidence of coronary heart disease in the Cretan male adults surveyed. In order to obtain an objective measure of the pattern of fatty acids in the diets consumed by Cretan subjects, samples of adipose tissue were obtained and analyzed for their



fatty acid content by gas-liquid chromatography. A good correlation was obtained between dietary fatty acids (obtained by history) and adipose tissue fatty acid patterns. Other facets of this study are being prepared for publication.

Studies of tocopherol metabolism in man have been hampered by tedious methods for measuring its concentration in plasma and tissues. In collaboration with Mr. George Schuttringer a rapid procedure has been developed for measuring tocopherol concentration in macro and micro (50  $\mu$ l) quantities of human plasma. The micro-procedure has been used for measuring plasma tocopherol in infants. Dr. Karoly Pinter has developed a method of separating tocopherol from plasma extracts by a glass paper chromatographic system. Elution of the tocopherol spot permits quantification of the original concentration in the plasma.

Mr. Kenneth Krell has refined techniques for synthesizing small quantities of  $C^{14}$ -labeled fatty acids of varying chain length which are not commercially available. The metabolism of such fatty acids is currently under investigation.

An automatically monitored dispensing apparatus for the study of food intake in man has been constructed and the details of its design published by our group. Because of the inherent difficulties in studying human food intake in the usual setting, an attempt has been made to develop a system that would minimize the variables involved and thereby improve the chances of obtaining more reliable and reproducible data. Availability of homogeneous nutritionally adequate formula emulsion makes it possible to reduce the diet to its simplest components and dissociate it from most of the metering cues that familiar foods provide. Thus, in the feeding machine situation, subjects are more likely to eat in response to physiologic hunger and find it difficult, if not impossible, to monitor their intake from their experiences with normal food. Studies indicate that normal weight subjects appear able to maintain their weight while being fed by machine. In contrast, grossly obese subjects show a striking reduction of food intake when they are fed by machine. Whether the inhibition of food intake exhibited by obese patients



represents a physiologic effect of massive stores of fat, or whether it results from psychologic factors relating to guilt about the obesity, fear of the feeding device, inability to adjust to the formula, or some other cause, is unknown at present. The fact that such a striking difference does seem to be present is of great interest and merits further investigation.

In collaboration with Dr. Fred J. Schilling and Dr. Louis B. Dotti, a study of vanillyl mandelic acid (VMA) excretion in the urine was performed in normal subjects and in patients with coronary heart disease. This study established the normal excretion pattern of VMA in normal subjects at St. Luke's. Patients with coronary heart disease excreted significantly more VMA than normal subjects. The data obtained from over 500 subjects is being subjected to computer analysis in an attempt to find correlations with a variety of clinical events.

Also, Dr. Schilling obtained evidence that a breakfast containing 17 gm. of fat did not significantly alter the serum cholesterol and triglyceride levels obtained two hours after breakfast. Such a study will enable better subject cooperation in epidemiologic studies involving such analyses of blood obtained from a large population group.

During the year three graduate students continued their work in doctoral thesis research in our laboratories. The students previously had completed their graduate course requirements at the Institute of Nutrition Sciences, Columbia University. Mrs. P. Fontanares made good progress in her research on the analytical, experimental, and clinical aspects of bile acid and neutral sterol metabolism. Mrs. K. Hasegawa developed a reproducible method for insulin assay and applied this procedure in a variety of experimental and clinical situations. Mrs. A. Weiss completed her survey of the literature and presented a proposal for study of the relationship between vitamin A and tocopherol metabolism.

#### LABORATORY FOR NUTRITION AND METABOLISM STAFF:

Sami A. Hashim, M.D.	Full-time	Director
K. G. Pinter, M.D., Ph.D.	Full-time	Research Associate
George J. Christakis, M.D.	Part-time	Research Associate
Habiba Hassan, M.D.	Full-time	Research Fellow
Robert Campbell, M.D.	Full-time	Research Fellow
Daisy Lee, M.D.	Full-time	Research Fellow
Robert Zurier, M.D.	Full-time	Research Fellow

*Laboratory for Renal and Endocrine Physiology* Investigation of a new diuretic, ethacrynic acid, was carried out in a number of patients with refractory edema. The patients responded with marked urinary potassium diuresis but with considerable variability in water and sodium diuresis and weight loss. Preliminary results indicate that this agent must be used with caution in such individuals. The concomitant administration of spironolactone was effective in reducing potassium loss and enhancing salt and water diuresis.

Work upon the effect of phenothiazine drugs on the pituitary-hypothalamic-adrenal system in dogs has been completed. Intravenous Compazine produced increased peripheral plasma cortisol levels at six and eight hours. Methopyrapone infusions of similar duration resulted in increases in the Porter-Silber chromogens. However, these increases were not observed when the two drugs were given in combination. It was concluded that the action of Compazine is dual and biphasic, with initial ACTH release and later inhibition of the hypothalamic regulation of ACTH production.

It has been found that estrogens have a direct inhibitory effect on the adrenal cortex. Perfusion of either  $17\alpha$  or  $17\beta$  estradiol through the dog adrenal pouch preparation resulted in significant decreases in the secretion rate of cortisol. This occurred independently of the sex of the animals. The mechanism of this inhibition may be mediated via estrogen depression of TPNH production.

In experiments designed to investigate the role of cholesterol in adrenocortical steroid production, a  $\Delta 7$  sterol reductase inhibitor was studied. This compound is a novel type of cholesterol inhibitor in that it prevents the conversion of 7-dehydrocholesterol into cholesterol. Desmosterol does not accumulate and the serum values of total sterol in rats are depressed to 25% of normal. Dogs fed this compound for two weeks also exhibited a depression in blood sterol levels and, in addition, exhibited a statistically significant depression in their plasma cortisol responses to intravenous ACTH. When the compound was perfused acutely through adrenal pouch preparations of dogs, a 50% reduction in cortisol secretion was observed. This effect was manifest only during administration of the drug. It

was concluded that the drug probably interferes with *de novo* cholesterol synthesis in the adrenal and may have a toxic action on the adrenal cortex. Its potential usefulness in man awaits further toxicity studies.

Work has been completed on the assay of ACTH-like activity in certain growth hormone preparations. As assayed in the dog adrenal, bovine growth hormone (Merck) has no detectable activity. In terms of effect on the adrenal cortex, HGH (Merck) is inhibitory; HGH (Raben) has significant activity in high concentrations ( $1.0 \mu\text{g}^0/\text{o}$ ); and HGH (National Pituitary Agency) has very high activity at physiological concentrations of  $0.1 \mu\text{g}^0/\text{o}$ . Caution is recommended in interpreting adrenal steroid effects of these agents in man.

#### LABORATORY FOR RENAL AND ENDOCRINE PHYSIOLOGY STAFF:

James G. Hilton, M.D.	Full-time	Director
Paul Cushman, Jr., M.D.	Full-time	Assistant Director
Carol Dickson, M.D.	Full-time	Research Associate
William Athos, M.D.	Part-time	Clinical Associate
Coenraad Westermann, M.D.	Part-time	Clinical Associate
Sheldon Alter, M.D.	Full-time	Research Fellow

*Radioisotope Laboratory* During 1964, a study of cardiac output and the acute volume changes produced by intravenous furosemide was undertaken. This diuretic is unique in its rapid onset of action. Studies elsewhere have shown it similar to the thiazides and to ethacrynic acid in effect on electrolyte excretion. No studies of its acute effects on plasma volume and cardiac output have been done.

During 1964, 14 normal volunteers and 6 patients with congestive heart failure were studied. The results of these studies indicate that furosemide had the expected effects in inducing diuresis, and quite unexpected effects on plasma volume, on red cell mass, and on thrombotic tendency. By three separate methods, changes in plasma volume and red cell mass were measured at ten minute intervals. Discrepancies between results obtained by different methods suggested the inadequacy of the single ten minute equilibration specimen to measure rapidly changing plasma volumes.

Another project, now in the second year, involves measurement of certain of the hemodynamics and the body electrolyte patterns in

congestive heart failure. The purpose of this study is to provide an objective standard against which clinical estimations can be compared in a project involving the application of public health nursing to a large group of patients with chronic heart disease. The study is being carried out in cooperation with the Community Health Studies Unit.

Preliminary results indicate that magnesium sulfate is an effective subjective indicator of the circulation time, bearing close agreement with the objective RISA circulation time. In addition, it is apparent that the plasma volume, which has been predicted on theoretical grounds to provide a good measurement of degree of fluid retention, does in fact correlate closely with the severity of the "congested" state as measured clinically. Correlations between circulation time, plasma volume, central venous pressure, body exchangeable sodium, and the clinical examination, are being carried out.

Comparative studies of the fecal blood loss induced by aspirin, and by other experimental non-salicylate non-steroidal analgetics, have been undertaken during the past two years. During 1964 approximately 50 normal volunteers underwent studies utilizing chromate<sup>51</sup> red cell tagging, quantitative fecal collection, and controlled drug ingestion.

The results of these studies indicate that indomethacin is associated with approximately half the rate of fecal blood loss when compared with aspirin in cross-over studies in the same subjects.

RADIOISOTOPE LABORATORY STAFF:

Richard P. Keating, M.D.

Richard Pierson, M.D.

Part-time

Consultant to the Laboratory

Director

*Tissue Culture Laboratory* The T.C. Laboratory continued study of the factors influencing differentiation of bone marrow cells. Additional sera from patients with myeloproliferative disorders were obtained from Dr. Frank Gardner of the Peter Bent Brigham Hospital in Boston and Dr. Seymour Perry at the NIH in Bethesda and were found to have stimulatory properties similar to those previously observed. Several sera from patients with polycythemia vera were found to stimulate erythropoiesis in vitro. Major attention was given

to histochemical studies of the effect of steroid hormones (estrone, testosterone and prednisone) and insulin on the levels of dehydrogenase enzymes of the glycolytic pathways. It was found that metabolically active cells such as fibroblasts and granulocytes contained large amounts of the enzymes which were suppressed by hormones that suppressed the growth of these cells, e.g. testosterone and prednisone. A side interest developing out of the tissue culture work was the use of polyacetate strips for hemoglobin electrophoresis. With the proper buffer and pH it was possible to separate Hgb A, A<sub>2</sub> and S and C on the same run, a procedure difficult to carry out with paper electrophoresis.

#### TISSUE CULTURE LABORATORY STAFF:

Edward H. Reisner, Jr., M.D. . . . Part-time . . . Director

### ACKNOWLEDGEMENTS

We should like to acknowledge with gratitude the support for our research activities provided by the following organizations:

American Heart Association. Division of Community Health Service of the Public Health Service. Dula Foundation. Hartford Foundation. Health Research Council of the City of New York. Holmes Foundation. Life Insurance Medical Research Fund. Merck Sharp & Dohme Research Laboratories. National Institutes of Health. New York Heart Association. Nutrition Foundation. Special Dairy Industry Board. Stony Wold Corporation. Irwin R. Strasburger Foundation. Whitehall Foundation.

In addition, a number of contributions were received from individuals and these are individually acknowledged in another portion of this report.





26

MCHAM'S HOSP  
ALBANY 3-88

# Obstetrics and Gynecology

Harold M. M. Tovell, M.D., Director

The year 1964 witnessed the last complete year of operations of the Woman's Hospital at 110th Street and Amsterdam Avenue, a site occupied by the hospital for over 60 years. It was a year in which an integral part of the hospital, the beautiful French stained glass triptic window, so familiar to visitors over the past half century in the Record Room Library and old Chapel, was removed and sent to the University of Alabama for placement in the new University Medical Library as a memorial to James Marion Sims, founder of the hospital in 1855. Within the hospital, patient care continued as the dominant theme of the year's work while both teaching and research activities continued to be encouraged and promoted.

## Patient Care

*Out-Patient Department:* Total out-patient visits to the department were slightly above the number for the previous year, with 28,657 visits, 1300 visits more than in the previous year. This increased number was reflected in both the obstetrical and gynecological clinic visits. The slight decrease in the total visits to the specialty clinics may be accounted for by only reporting visits to clinics pertinent to the specialty which include urology, infertility and endocrinology and the obstetrical medical clinic.

*Hospital Admissions:* Total admissions to the hospital showed a slight decline over the previous year. It is anticipated that with the move to the new building the total admissions will increase,



thereby supporting the justification for the increased number of beds from 109, as originally planned, to a total of 135 beds.

*Obstetrical Service:* The performance of the Obstetrical Service of the Hospital is shown in Table I and II. There were 49 fewer deliveries than in the previous year.

*Neonatal Deaths:* There were 12 neonatal deaths in 2218 live births of 1000 grams or over giving a neonatal mortality rate of 5.4/M, a figure well within the national average. The cause of death in eleven of these babies that were autopsied was as follows: congenital malformation—3, respiratory distress syndrome—6, erythroblastosis with hydrops—2. One infant, not autopsied was thought to have had a congenital heart abnormality. Prematurity was an associated condition in 9 cases.

*Maternal Deaths:* There were two maternal deaths during the year. One, a 24 year old patient was admitted in *extremis* following a criminal abortion in the 18th week of pregnancy and succumbed from irreversible septic shock. The other, a 25 year old patient suffered a spontaneous rupture of the uterus and clinically presented a picture of fatal amniotic fluid embolization.

A "Manual of Procedures for the Ideal Care of the Obstetrical Patient" was introduced for the benefit of both resident and attending staffs primarily to help establish a standardization of common obstetrical practices within the hospital and to teach new residents the Woman's Hospital techniques. The resident staff has been successfully indoctrinated with this systematic and methodical approach much to their benefit as well as that of the obstetrical patients, by Dr. Graham Hawks and Dr. Bernard Nathanson, who together are responsible for the supervision of the obstetrical service.

*Gynecologic Service:* Table V summarizes the performance of the gynecologic service. There was a slight increase in the total operations performed over the preceding year. There were 15 gynecologic deaths, all due to advanced cancer and no operative deaths during the year. A total of 115 operations were performed for gynecologic cancer, 30 more than in the previous year.

Dr. John S. Aldridge again reviewed the end results of cervical cancer and submitted these to The Radiumhemmet, Stockholm, Sweden, for incorporation in the Annual Report on the results of treatment of carcinoma of the uterus and vagina, published under the patronage of the International Federation of Gynecology and Obstetrics.

*Pathology Laboratory:* This laboratory, under the direction of Dr. Leon Motyloff, performed some 3592 tissue examinations, 3 adult autopsies and 107 fetal and infant autopsies. These figures are shown on Table VI.

The reason for the slight decrease in both ward and private obstetrical and gynecological admissions is uncertain. Though a slight steady decline in these figures has been observed over the past several years it is possibly attributed to the location of the hospital and it is fully anticipated that this trend in the figures will be reversed in the years to come once the hospital is relocated in its new building.

#### **Nursing Service**

As a result of a recruitment drive initiated last year by Miss Gwen Collier, Director of Nurses of Woman's Hospital, the number of professional nurses has been increased so that now key nursing positions in the hospital are held by registered nurses.

The preparation for childbirth classes organized and developed by Miss Collier have been over-subscribed because of an increased demand for this important educational program. The classes have now been extended to two sessions a week. It is anticipated that additional help will be essential to continue this important prenatal program and to eventually relieve Miss Collier for many other responsibilities.

A continuing series of in-service education programs and policy and procedure meetings were held for the nurses of both Woman's Hospital and St. Luke's Hospital to orient the nursing staff to the

services provided by each of the hospitals. These planned programs have proved to be most helpful to the new members of the nursing staff as well as to the entire nursing staff of the hospital center and will undoubtedly make a smoother transition to the new location.

### **Social Service**

This vital service was fortunate in obtaining in March, the service of Miss Felicia Delafield, Director of Woman's Hospital Social Service. During the year, with the assistance of Mrs. Carolyn Frost and Mrs. Linda Jones, the total case load increased from 77 active cases at the beginning of the year to 115 active cases by the end of the year. In addition, the number of patient interviews per month increased from 163 in January to 322 in December. The total number of patients interviewed during the year was 2,623 which also includes 469 new and reopened cases. An additional total of 2,111 interviews were made with social agencies, physicians and other professional personnel. It is apparent that the activities in this department are increasing and can only result in an improvement of the overall in-patient and out-patient care programs.

### **Resident Teaching**

Besides the regular daily teaching of residents by staff members in the clinic, operating rooms and delivery rooms, as well as on the wards, two formal teaching sessions a week have been held. (1) Monday afternoon Staff Conference and (2) Thursday afternoon Resident Seminar. The latter has been the direct responsibility of Dr. Ian Van Praagh, Acting Assistant Attending Obstetrician and Gynecologist. One monthly staff conference is devoted to Perinatal Morbidity and Mortality under the direction of Dr. Graham Hawks and Dr. Stuart Stevenson, Director of Pediatrics. Both pediatricians, anesthesiologists, as well as obstetricians and gynecologists, attend these well prepared and important conferences.

### Basic Research Programs

The *Bio-acoustical Laboratory*, under the direction of Dr. Lajos von Micsky, Assistant Attending Obstetrician and Gynecologist and supported by grants from the National Institute of Health and General Research Fund of St. Luke's Hospital, has developed in two areas.

(1) *Ultrasonography* as applied to obstetrical and gynecological diagnostic problems. The usefulness of such a technique has been well established in the past year in the early diagnosis of twins, multiple pregnancies and in obtaining correct diagnoses in a variety of abdominal and pelvic conditions. Ultrasonic placentography, mamography and feto-pelvic relationship studies are other techniques that are being explored and developed.

(2) *Uterine Physiology*. With the assistance of Dr. Ian Van Praagh, a method has been developed for the computer analysis of the quantitative relationship between intra-amniotic pressure changes and the progress of cervical dilatation during labor. This work, also supported by a grant from the National Institute of Health, has been made possible by the purchase, with the General Research Funds of St. Luke's Hospital, of a Hoffrel Electronic Cervicometer previously developed and modified by Dr. von Micsky.

This laboratory promises to form a major contribution of the research programs in obstetrics and gynecology in the years to come.

The *Cancer Research Laboratory*, under the direction of Dr. Barbara Johnston, Research Associate in Obstetrics and Gynecology and supported by grants from the New York Cancer Institute, Huber Foundation, the June Thomson Moore Fund, has continued studies on the evaluation and combinations of cancer chemotherapy agents in tumor tissue growing in small laboratory animals.

Also, under the direction of Dr. Johnston, the *Cytogenetic Laboratory* has been established for the purpose of detecting chromosomal abnormalities in a variety of patients known to have or suspected of having congenital defects. This laboratory was developed, as an essential diagnostic laboratory for babies born at

Woman's Hospital and is available to all hospital services. It is also a basis upon which an important research and service program may be built and developed, such as a genetic family counseling service for couples having a known or suspected inheritable disease. Such a service is becoming increasingly more in demand by both patients and physicians alike and one does not, as yet, exist in New York City.

### **Clinical Investigations**

*Dr. Barbara J. Logan*, Associate Attending Obstetrician and Gynecologist performed a double blind study to evaluate the accuracy of the Urinary Chorionic Gonadatropin (U.C.G.) Pregnancy Test as compared to the A-Z Test. In 100 urines from suspected pregnant patients there was an accuracy of 96% and 93% for the UCG and AZ tests respectively. This simple, rapid, hemoagglutination inhibition test has been introduced into our diagnostic laboratory service.

*Dr. Frank Spielman*, Associate Attending Obstetrician and Gynecologist has continued his clinical review and has collected over 350 cases of abruptio placenta from the records of Woman's Hospital. He anticipates completing this study within the year.

*Dr. Bernard N. Nathanson*, Assistant Attending Obstetrician and Gynecologist, in collaboration with Dr. Joseph N. Ward, Associate Attending in Urology, reviewed the clinical course and outcome of pregnancies in patients with ectopic kidneys. This work has been accepted for publication.

*Dr. John S. Aldridge*, Assistant Attending Obstetrician and Gynecologist, reviewed and reported the end results of cases of cancer of the cervix in the Annual Report, Stockholm, Sweden.

*Dr. Ian Van Praagh*, Assistant Attending Obstetrician and Gynecologist, completed a study to evaluate the practical aspects and the analgesic effectiveness of paracervical blocks during the first stage of labor. This work is in preparation for publication.

In association with Dr. Harold M. M. Tovell, Attending Obstetri-

cian and Gynecologist, Dr. Van Praagh has completed collecting data on all cesarean sections for 6 years from 1957 through 1962 and has placed this information on marginal punch cards. This work will be brought up to date and regularly maintained. It promises to be a useful adjunct to the obstetrical teaching program in that the changing trends in cesarean sections during the years can be more readily followed.

In association with the obstetrical residents on service, Dr. Van Praagh supervised and completed a double blind study on the effectiveness of a new analgesic agent (SQ-10269) for the Squibb Pharmaceutical Corp. Such studies are not only clinically useful and necessary but form an integral part of the training of residents in objectively evaluating drug therapy.

*Dr. Richard X. Sands*, Clinical Assistant in the Out-Patient Department completed a study on the safety and effectiveness of Metronidazole (Flagyl) therapy for trichomonas vaginalis vaginitis in pregnancy. This work, supported by a grant from the G.D. Searle Co. confirmed the findings of others, in that it proved to be clinically effective in a reduced dosage and showed no adverse effect on the newborn infant.

#### Staff Activities

*Presentations and Honors:* Dr. Tovell presented a paper before the N.Y. County Medical Society on "Recent Advances in Reproductive Physiology". He was elected to the N. Y. Obstetrical Society and served as Chairman of the Section on Obstetrics and Gynecology at the New York Academy of Medicine. He also continued as Chairman of the Continuing Education Committee of the Obstetrician and Gynecologist of District II of the American College of Obstetricians and Gynecologists and served on the National Committee of the same name of the American College of Obstetricians and Gynecologists.

Dr. von Micsky presented two papers on Ultrasonic Applications in Obstetrics and Gynecology, one to the Dominion Obstetrical

and Gynecological Society at the College of Physicians and Surgeons and one to the Institute of Ultrasonics in Medicine, in Boston, a society in which he was elected to membership.

Dr. Van Praagh was elected to fellowship in the American College of Surgeons and was proposed for membership in the Society of Obstetricians and Gynecologists of Canada following a presentation before this society of a paper entitled "The Effect of Amniocentesis on Labor in Multiparas".

*Promotions:* Dr. Elise Renning was promoted from Associate Attending to Attending Obstetrician and Gynecologist. Dr. Bernard N. Nathanson was promoted from Assistant Attending to Associate Attending Obstetrician and Gynecologist. Dr. Ian Van Praagh was promoted from Acting Assistant Attending to Assistant Attending Obstetrician and Gynecologist.

*Publications:* Fifteen publications by 7 members of the staff appeared in medical journals during the year and were contributed by Drs. Sackett, Javert, Tovell, Nathanson, Van Praagh, Johnston and Sands.

*Visitors to the Hospital:* During the year 8 distinguished visitors came to the hospital who either presented papers or participated at the weekly staff conferences. Some of these included Dr. Bernard Zondek, Hodersch Medical School, Jerusalem; Dr. Ivor Hughes, Woman's Hospital, Soho, London; Lady Banting, University of Toronto and Prof. Ian Morris, University of Manchester.

### **The Future**

During the summer of 1965 the new 135 bed hospital at 1111 Amsterdam Avenue will open its doors to patients and thereby commence a new era in the 110 year history of the Woman's Hospital. To the many generous benefactors and the countless number of individuals from the Trustees, the members of the Assistant Board, the staffs of the two hospitals and the many others who have contributed so much of their time and energies to make the seemingly



insurmountable task of building such a magnificent hospital possible, we say with all our hearts "Thank you".

**Table I: Obstetrical Summary**

	Ward	Private	TOTAL
No. of Deliveries	1,365	913	2,278
No. of Births (discharged)			
Non-viable (< 500 grams)	5	1	6
Pre-viable (500-999 grams)	17	4	21
Viable Premature (1000-2999 gms)	117	60	177
Viable Term (> 2500 gms)	1,197	844	2,041
TOTAL	1,336	909	2,245

**Table II: Types of Obstetrical Deliveries**

	Ward	Private	TOTAL
Spontaneous (vertex)	651	299	950
Low Forceps	455	383	838
Mid Forceps	104	73	177
Breech Deliveries	58	29	87
1° Cesarean Section	74	85	159
Repeat Cesarean Section	41	57	98
Vacuum Extractor	3	0	3
			2,312

**Table III: Gynecologic Procedures**

	Ward	Private and Semi-Private	TOTAL
Major Operations	470	799	1,269
Minor Operations	529	1,201	1,730
Operations for Cancer	38	77	115
TOTAL	1,037	2,077	3,114

**Table IV: Pathology Laboratory**

	TOTAL
Tissue Examinations	3,592
Pregnancy Tests	1,276
Necropsies—Adult—Gyn	3
Infant and Abortion	107

# Oral Surgery and Dentistry

Henry G. Rieger, D.D.S., Director

**T**his past year has been a very active and interesting one for this staff. The Attending Staff has been participating in both professional and Dental Society affairs.

The House Staff has done outstanding work in all training phases of Oral Surgery. The techniques for the handling of the patient requiring Ambulatory General Anesthesia for minor Dental Surgery has been improved.

In January of this year the activities of the Dental and Oral Surgery Out-Patient Department was doubled, so that there are now afternoon clinics as well as the morning sessions. This was felt necessary in keeping with the expanding hospital program.

Dr. Eugene R. Ball, Associate Attending Dental Surgeon, is a member of the New York State Dental Society Council on Annual Sessions. He is also chairman of the Dental Health Council for Manhattan and the Bronx, and this year became a Fellow of the American College of Dentists. During the year he attended the Conference of Hospital Dental Chiefs at San Francisco, and the Workshop on Hospital Dentistry at Buffalo.

Dr. Edgar L. Buehler has been advancing the program of Dental care under general anesthesia for the underprivileged and handicapped child. He also provides dental care for the patients under treatment in the Cleft Palate Section.

Dr. Anthony S. Caruso has become an Instructor in Prosthodontia, Graduate School New York University.

Dr. Jerome Friedman has been appointed a new member of the Attending Staff, with the rank of Assistant Attending Oral Surgeon.

Dr. Edward J. Ortion presented a two part detailed, well illustrated lecture to the Attending and House Staffs on Cone Dental Radiography.

Dr. Henry G. Rieger participated in the New York State Dental Society program presenting a paper on Alveoloplasty as an aid to Denture retention. He also at a Staff meeting gave an illustrated discourse on the Conservative Treatment of the fractured mandible.

Dr. Edward Stroh participated in the New York State Dental Society program presenting an illustrated lecture on "The Conservative Treatment of Torus Palatinus". He also is a member of the Dental Advisory Committee to the Interdepartmental Council of Health City of New York.

Dr. Robert W. Tirrell is Treasurer of the First District Dental Society.

Dr. Seth B. Willets has given dental care to Peace Corps volunteers in training at Columbia University.

Dr. E. Clinton Vollmer continues to provide outstanding Orthodontic treatment to the children in the Cleft Palate Clinic.

Dr. Malcolm W. Carr has become an honorary member of the American Society of Hospital Dental Chiefs. He is also a member of the Committee on Social Policy and Health Care of the New York Academy of Medicine.

# Orthopedics

*Frederick R. Thompson, M.D., Director*

The Orthopedic Service, in the past year, has broadened and increased its scope of activities over previous years. This has been made possible by an enlargement of its staff of junior men and by their energetic efforts to increase the teaching to the resident staff. Although the Ward Service was somewhat disrupted by the physical need to cut a hole in the wall of our corridor to join Woman's Hospital to St. Luke's Hospital over 114th St., these repairs have been satisfactorily accomplished. The two end rooms, temporarily closed down because of the construction needs, are now reopened and are operating at full capacity. We believe that in spite of the noise, dust and confusion of the building, we have rendered wonderful care to our Clark 5 floor patients. The increased traffic now flowing through our corridor is not a detriment to the care of these patients.

*Rehabilitation* The rapport established between the Department of Physical Medicine and the Orthopedic Service continues to grow and expand with resultant improved care for our patients. We are still striving for an increased time quota of technicians from the Department of Physical Medicine to come to our floors and work there on our patients, rather than have the patients go to the Department of Physical Medicine unless necessary for the use of some special equipment. Stiff joints and dormant muscles require considerable patience and attention on the part of trained personnel to be made to function again. We are especially anxious to have our resident staff enter actively into this program, to both learn new techniques and to direct the degree to which the muscles and joints can be used following surgery. Such supervision is essen-

tial to prevent harmful over-use of the part if it is not ready for full muscle power.

*Lack of beds* The Orthopedic Department definitely is cramped by a shortage of available beds. This shortage exists as a result of both the closing of the Convalescent Hospital and because of the fact that the building of the new Vanderbilt wing has necessarily closed down many hospital beds in order to make room for transplanted services from the present dismantled buildings. Our list of patients awaiting entry into the hospital for reconstructive surgery is steadily enlarging. This is made more acute by the necessity of admitting many more fracture cases to our wards, now that we are managing all ward fractures entering the hospital.

*Staff* The new appointment of our Attending Staff is Dr. Jerome J. Moga, who graduated last July from our training program. He is practicing in Katonah, but works in our clinic where he is well known to our patients. He will be helpful in resident teaching.

All Attending Surgeons work in our clinic and diligently care for our clinic patients. They carry the burden of teaching Basic Sciences to the residents and monitoring the ward surgery in the Operating Room. This supervision and teaching time must come out of their active practice hours and represents almost 50% of their working week. Their devotion and energy in constantly increasing their teaching activities is very stimulating to the service.

*Statistics* There were 1,209 orthopedic patients admitted to the hospital this past year of which 244 were private, 567 semi-private and 398 ward patients.

Orthopedic operations this year numbered 1,013, an increase of but 2% for the year. This represents an average of, roughly, 4 per week day. The two operating rooms assigned to the Orthopedic Service are kept busy by this large number of both private and ward patients needing reconstruction. The House Staff who must both prepare the patients for surgery and take care of them following their operation are kept busy by this great activity. Since no operation is possible without the combined efforts of many

departments; we find, when we press for more operating time and space, that many new people need to be hired by the hospital to even slightly increase our hours of surgery. It is only by means of the great efficiency of the Operating Room Staff and the Anesthesia Department that we are able to do our present volume of surgery, which proceeded so smoothly, without any catastrophe during the past year.

*Clinic* Dr. Hudson Wilson, the Chief of our clinic, is ably assisted by all of the Associate and Assistant Attending Orthopedic Surgeons to help run the clinic and to train the residents in the care of orthopedic problems. They treated, during the past year, 6,695 patients, an increase of 15% over the previous year. Since 1,135 of the clinic patients seen represented fracture patients who have been admitted to the hospital or to the Accident Room with a broken bone, this concentration of material in one department has made for better teaching of the residents and for more standardized care for the patient. We are always worried lest a clinic patient with a language difficulty fails to keep his clinic appointment following his fracture and cast application. Serious trouble could result to his broken part with legal repercussions against the hospital. We attempt to be extremely diligent in going after such patients who are either reluctant to return or who fail to do so because of a misunderstanding. Fortunately our Social Service Department is most helpful in following those patients we find negligent in keeping their appointment. This diligence requires much effort, but has been successful in many instances in averting trouble.

*Resident Training* We continue our emphasis of teaching the Basic Sciences in our department. Two hours of Anatomy under Dr. Leon Katowicz are given each week. In conjunction with the Pathological Department, aided especially by Dr. Begg and Dr. Russ Gaetz, we review all material of interest excised from our operative cases. In this manner and by special lectures of Dr. Fielding, we teach approximately three and a half hours of Pathology each week.

In the past, we have received great help from the Presbyterian Hospital Medical Center which has allowed two of our residents to attend its Basic Sciences Courses for one full month, every six months. Each resident, therefore, in previous years has taken this Course twice in his three years of training. During this period, they have been completely relieved of their hospital duties in order to obtain the maximum benefit of this intensive study by their attendance at the courses. Since they are examined by our National Orthopedic Boards every year, this has been successful in elevating their grades to the upper third level of the examinations. With the probability of these Basic Science Courses being discontinued in the future, we are seeking to organize our own Basic Science Courses in conjunction with orthopedic surgeons interested in teaching from other hospitals in New York City and in outlying communities. Residents will, fortunately, be able to attend the weekly Basic Science night lectures at Medical Center which are being continued. This emphasis on teaching definitely raises the standard of care to out patients and widens the scope of our residents' horizon.

#### **Research**

We continue to use the special brace devised by Dr. George Hewson for the treatment of children with congenitally dislocated hips. No essential alterations have been made in this unique brace which is capable of both reducing the dislocation as well as maintaining the hip in its proper position. The brace permits the child to be taken home from the hospital very early by the mother, without danger of the hip slipping out of place. It is particularly successful in the very young babies. The children can then be brought into the hospital periodically for roentgen examination and the mothers at home can change the diapers at will, without running a risk of redislocating the hip during normal care of the baby.

During the past year our Research Laboratories have centered their chief attention on hydroxyproline studies. This is a chemical analysis



of a protein excreted in the urine which represents the breakdown of the basic structure of tissue within the body. Hydroxyproline is contained in the collagen which is the warp and woof or the threads upon which the bone crystals are laid down in the formation of new bone. As bone is being destroyed or reabsorbed, these threads likewise are absorbed and hydroxyproline is excreted in the urine so we can tell whether bone is being built up or broken down in the body, by a urine and blood level test, long before bone destruction will demonstrate itself in the roentgenograms. Since we have many elderly people with softening of the bones, we have concentrated on this research test to give us an index, as early as possible, as to the efficacy of our medications and treatment. The demineralization of our older people results in broken hips and in fractured vertebrae. We believe these fractures can be prevented under proper dietary means. Unfortunately, the tests are both laborious and quite expensive and our Research Funds, donated to us by our private patients, diminish at far too rapid a rate. We were unsuccessful in obtaining a grant to help us in this project this year. We at present have a Polish genito-urinary surgeon, Dr. Jerzy Majewski, who fled from Poland and who now seeks citizenship, to work with us and to perform these tests. We are still awaiting an orthopedic surgeon trained in orthopedic research to assume control of our Research Laboratories. This rare combination of individual is hard come-by, and funds are needed for a guarantee for his salary to induce him to come to our laboratories.

Our hydroxyproline studies are being conducted in conjunction with the Pediatric Department. The unusual blood tests were devised and worked out from a practical standpoint by Dr. C. Ray Jones of that Department.

Curvature of the spine or Scoliosis is also under study. We have found that the hydroxyproline content in the blood and urine of these young girls is abnormally high. We are working in this field in an endeavor to track down the cause of this crippling problem in adolescent children.

In conjunction with Dr. Barbara Johnston of Women's Hospital, studies are being made on chromosome changes in the cells of some of our congenital orthopedic problems, such as multiple bone tumor growths arising from the shaft near their growth centers. We are jointly studying another crippling deformity in babies resulting in improperly-formed joints, called Arthrogryposis. Positive information on these subjects will bring up the need to focus down on alterations in the gene itself within the chromosome, which will lead us into the field of Autoradiography.

#### **Staff Activities**

The members of our staff continue to be extremely active on an international and national level. This involves the preparation and presentation of papers or the participation in seminars at many meetings throughout this country and in Canada. At our national meeting of our American Academy of Orthopedic Surgeons this year, our participation was outstanding. We believe it again was a greater effort than that provided by the orthopedic service of any other hospital throughout the country. Three moving pictures were presented from our service, these films being made at our own expense without grants from drug houses or other sources. This single meeting requires ten days of an all-day participation in teaching, examining, scientific and exhibitory functions of the Academy.

Dr. Winant continues as Associate Editor of the Journal of Bone and Joint Surgery. He also serves as Director of Orthopedic Surgery at St. Vincent's Hospital, Staten Island.

Dr. J. William Fielding, an ever productive member of our staff, gave several papers abroad and in Canada. In addition to his teaching duties on our staff, he is kept busy as Director of Orthopedic Surgery at New York Polyclinic Hospital and Medical School.

Dr. Hudson Wilson, the Chief of our clinic is active in the crippled children's work at St. Giles Hospital, to which each member of our resident staff goes for six months in the course of his

three years of our training program. He is the Secretary of the Orthopedic Section of the New York Academy of Medicine this year, and is very active in the Orthopedic Section of the New York State Medical Society.

Dr. Robert Zickel, Dr. Magliato and Dr. Hill are the work horses of our junior staff, taking care of the night calls and emergency work, and are largely responsible for supervising the surgery on our Ward Service. This requires an enormous compliment of their working hours, and in the great tradition of St. Luke's, is given freely and with enthusiasm. Dr. Hill has revitalized Hand Surgery, and has been able to help many needy people in this intricate sub-specialty within the orthopedic field.

### **Progress**

Progress always seems to be made so slowly in spite of the great effort expended with the shoulder attempting to turn the wheel. Our research work is laborious and so hampered by lack of funds and adequate personnel that one never ceases to wonder at our continued optimism that our goal ultimately will be achieved.

The control and management of Fractures entering the Services at the hospital, after much discussion for over a year, was finally turned over completely to the Orthopedic Department as of July 1965. We feel that this represents a major step forward in both resident training and in the intensified care of the patient. It enables both the surgical resident and the orthopedic resident to see the greatest concentration of fractures under a teaching program which is organized and most experienced. Emergency cases entering our Accident Room are taken care of by both the surgical and orthopedic residents under the supervision of a senior orthopedic resident. All roentgenograms of possible trauma or possible fracture are reviewed the following morning at 7:45 A.M. by an Attending Orthopedic Surgeon in order to minimize the risk of missing any unusual problem. The management of the previous night's fractures are discussed in a group conference at this time, before proceeding to the operating room or other orthopedic

duties. The patients are followed in the Fracture Clinic under close supervision, giving the surgical resident who reduced the fracture a chance to see how his efforts turn out in the long-term follow-up. The surgical resident, in his third year of training, is rotated through our service for three months where he is largely responsible for the intimate care of fractures and for learning additional orthopaedic operations and techniques. This is of great value to our service in bringing to us an alert, bright, sharp young surgeon who correlates the latest teaching from his service with techniques and methods from ours. We both benefit from such a symbiosis. Friction anticipated in the past under such an arrangement has been non-existent.

#### **Our Needs**

Our needs for the present are chiefly two in number. With the assumption of control of fractures within the hospital, we need a better Emergency Clinic organization and new equipment in order to diagnose and treat fractures more promptly and more efficiently than is possible under the present arrangement. All too frequently, a patient entering the Emergency Room with a probable fracture spends several hours before he can be x-rayed, diagnosed and cared for in the manner and within the time limit we believe essential for St. Luke's standards. Several distressing incidents of many hours delay have occurred but are becoming infrequent. The delay is largely due to the lack of portable x-ray facilities within the Emergency Room itself and to the absence of a developing room there for instantaneous film development. Under our existing system, we do not have sufficient "fracture stretchers" for transportation of the patient upstairs to our Roentgen Department and back again. Personnel is not always available for this necessary transportation task. Prompt taking of the x-rays in the upstairs Roentgenology Department is not always possible due to the heavy load of other emergency cases clogging the swift flow of patients through the diagnostic rooms. The flow is further retarded by the patient overflow from the clinics and from the In-Services. Although it is

advantageous for the Department of Roentgenology to have a centralized unit, in this particular instance it is important that the Orthopedic Service be capable of taking its own immediate x-rays on the spot in the Emergency Room, developing them promptly and attending to the fracture at once. Time is important in their management.

Our second great need is that of money for our research program. We have been promised more space next year at the completion of the Vanderbilt building. We need funds, however, to obtain the services of a highly trained orthopedic surgeon devoting his major interest to research. Such young men come at a premium. Our Orthopedic Research Fund is built up by driplets from our generous private patients. In spite of our careful husbanding of such funds, they are continually diminished by salaries and equipment needs. Research Grants are not easy to obtain unless one has had previous Grants, or unless one is a known research service "in being." We are young in the field. We have concentrated chiefly on practical clinical research, such as the development of artificial hips, of special braces and of special tools in our surgery. Our notable work on disproving the claims of a bone glue, Ostamer, was widely acclaimed. These research activities were done with our limited funds. We are now expanding our research and using our talents in more complicated endeavors and we need funds for this advance. Offers of matching funds dangerously deplete our balance. We seek an outright gift sufficient to obtain the services of a trained orthopedic surgeon for two full years in order to become self-sustaining.

# Otolaryngology

Stanley Whitfield, M.D., Director

**D**uring the year the work and interests of the department continued to expand.

## Staff Changes

The Department was pleased to welcome Dr. Arthur S. Brenner as a member of the Attending Staff on completion of his Ear, Nose and Throat residency at this hospital. As Dr. Brenner had spent three years in training in Otolaryngology at St. Luke's Hospital, he is well-known to most of the Hospital Staff.

Dr. Lachlan MacKenzie joined the Resident Staff as Senior Ear, Nose and Throat Resident to complete his third and final year of training in Otolaryngology. Dr. MacKenzie had spent the first two years of his training at Roosevelt Hospital, leaving there only when the residency training program was discontinued at that institution.

It was with regret that we accepted the resignation of Miss Mary Marcellus as Audiologist in the Hearing and Speech Department in order that she might pursue advanced education and training. The vacated position has been very adequately filled by Miss Diana Meyer who comes to the Department from Columbia Presbyterian Medical Center.

Dr. Nicholas Lagoumis also announced his resignation as a member of the Attending Staff of the Department in order that he might return to his native country of Greece. There he will continue with his practice of Otolaryngology. Dr. Lagoumis was an enthusiastic teacher and of considerable value in the Resident Training Program.

Mrs. Joanne Nihan resigned as Department Secretary because of family commitments. Miss Barbara O'Brien was appointed to the position of Departmental Secretary. As Miss O'Brien is a Graduate Nurse with considerable training in ear, nose and throat operating room nursing, she should be an invaluable addition to the Department.

Mrs. Dagmar Haggerty resigned as Secretary to the Hearing and Speech Department because of family and personal reasons. The position has been very ably filled by Miss Matilda Herrera.

Miss Herrera's knowledge of Spanish so far has proved invaluable in the testing of Spanish-speaking patients.

The Staff changes represent continued progression and consolidation within the Department.

#### **Staff Activities**

Dr. Stanley Whitfield and Dr. Samuel Boor attended the First International Vestibular Symposium held in Philadelphia. This was in preparation for expanding the Department's facilities for investigating patients with vestibular dysfunction.

Dr. Arthur S. Brenner was sent by the Department to Germany on a two months study leave. There he observed the different techniques and methods of microsurgical ear operations performed by some of the leading German ear specialists. This experience rounded off Dr. Brenner's training at St. Luke's Hospital and he passed on the knowledge he acquired to members of the Staff in a series of conferences on his return.

#### **Clinic**

Preliminary steps were taken to improve the tests of the vestibular apparatus, as had been previously carried out in the Ear, Nose and Throat Clinic. To this end, equipment was set up to allow controlled temperature Hallpike Caloric Tests to be performed at seven degrees above and seven degrees below body temperature. This is a more sensitive, accurate and recordable type of test. It is the



first step towards setting up of an adequate vestibular clinic and it is hoped in the near future to add electronystagmography.

### **Hearing and Speech**

This Department under the guidance of Dr. James Kirkbright is now staffed by a full-time audiologist and a full-time speech therapist, the appointments being previously on a part-time basis. This allows not only the handling of a greater caseload, but also an expansion into newer areas.

During the year, a Bekesy Audiometer was installed. This is a special audiometer which helps to differentiate central from endorgan neurosensory hearing losses. This should be of considerable help in the diagnosis of more complex oto-neurological problems. Coupled with the tests of vestibular mechanism as mentioned above, they should prove to be a valuable diagnostic tool not only to the otologist but also to the neurologist and neurosurgeon.

### **Operating Room**

In keeping with a long range plan for revision, up-grading and modernization of the ear, nose and throat operating room equipment, all the endoscopic equipment was completely revised and mostly replaced during 1964. As a result, the endoscopic equipment is more adequate and complete than previously. The system of arranging and maintaining this delicate equipment was changed to allow for its immediate availability for emergency use and to also reduce damage to equipment.

### **Statistics**

There was a total of 6,806 visits to the ear, nose and throat clinic during the year. Although this is a decrease over the previous year, it is felt this represents the better handling of patients with fewer visits rather than an actual decrease in the number of new patients.

In the Hearing and Speech Department, there were 1,174 visits for hearing problems and 2,521 visits for speech problems. This represents a total of 3,695 visits and an appreciable increase from the previous year. This probably represents a better appreciation of the hospital staff in general and the Ear, Nose and Throat Staff in particular of the value and facilities available in this Department. It also reflects the changeover to a full-time staff.

A total of 219 ear, nose and throat consultations were performed by the Department on other Ward Services.

A total of 684 operations were performed on the Ward Service and 453 operations performed on the private service.

# Pathology

Charles F. Begg, M.D., Director

During the course of 1964, the laboratory continued its busy program of providing accurate diagnostic information to the medical staff. There was a 7% increase in the total number of tests which does not, however, accurately reflect the increase in the work load since a great part of this increase was in rather complex procedures.

Review sessions in Pathology were conducted for other services of the hospital, these being the Orthopedic Service, the Gastroenterological Service, ENT Department and Urological Service. A new conference was instituted with the Thyroid Clinic in which there was a presentation of the pathological findings monthly of patients seen by the Thyroid Clinic, who eventually came to surgery.

Drs. Begg, Nash and Gaetz were active in the teaching program of the second year students at Columbia University Medical School, participating weekly in the laboratory and review sessions.

St. Luke's Laboratories made a significant contribution to the New York City Department of Health's laboratory control program by acting as a reference laboratory in Hematology, Biochemistry and Microbiology. Also, Dr. Begg is Chairman of the Board of Examiners for the laboratory control program of the City of New York, and was busy in developing and implementing a City Code for Laboratories.

When Dr. Marion Wilson left St. Luke's Hospital at the end of the year to accept a position as microbiologist to Mt. Sinai Hospital, Miami Beach, Florida, her departure was deeply regretted by all of us in the laboratory and by her many friends throughout the hospital. A reflection of her loyalty to St. Luke's is the fact that she found for us the person who is now the microbiologist to the hospital, before she left.

Dr. Begg and Dr. Finby of the Radiology Department continued to publish Radio-Pathology teaching exercises in the New York State Journal of Medicine. This is the third year of such publications.

The Biochemical division continues its interest in automation of procedures and during the course of the year a four channel auto-analyzer was installed which simultaneously determines  $\text{CO}_2$ 's, chlorides, sodiums and potassiums on a single specimen. Members of the department have attended meetings on the subject of automation and it is very likely that a more complicated autoanalyzer will eventually be installed which will perform 8 to 12 determinations simultaneously.

During the latter half of 1964, a study was initiated to determine the best way of handling the additional amount of work which would be provided by the Woman's Hospital Division when the final move to its new location was made. Detailed drawings were made of modifications of the present laboratory floor, and plans were also made to absorb the personnel from the Woman's Hospital laboratories.

# Pediatrics

Stuart Shelton Stevenson, M.D., Director

**1964** was an active year for the pediatric service. On Clark 7 alone, over 1,500 children were admitted and about 30,000 visited the Out-patient Clinic and the Emergency Room. Indeed, children accounted for one-third of all patients treated in the Emergency Room.

## Staff

The house staff was kept very busy, especially with an enlarged and more adequate coverage of the newborn and premature nurseries and with a greatly increased Emergency Room patient census.

We were saddened by the death of Dr. Charles Auer, who had given many, many years of faithful service and was beloved by all.

We were proud and delighted when Dr. Harold W. K. Dargeon received the Henry Harrington Janeway Medal of the American Radium Society.

We are happy to announce the promotion of Dr. Doris L. Wethers to Associate Attending Pediatrician.

Dr. Judith E. Frank, working in the nurseries of the Woman's Hospital Division, formulated many revisions and an entirely new set of standing orders in accord with the recommendations of the Department of Health and in keeping with modern trends and practices. Dr. C. Ray Jones continued his important research into hydroxyproline, a by-product of collagen metabolism in the human body. This work may prove to be fundamentally important to a better understanding of such catastrophic diseases as rheumatic fever and other human ills in the "collagen" group. Dr. Eleanor T. Roth, working in the Hematologic Research Laboratory, began her investigations into sickle cell disease, an illness which afflicts about one out of every four hundred Negro children and leads

sometimes to death and almost always to chronic and crippling disability. Dr. Sara E. Schuh worked on an extensive survey of children with primary tuberculosis and is attempting to pin-point medical, familial and socio-economic factors which may make these children vulnerable to this still prevalent infection.

Dr. Stuart S. Stevenson, who became Director of the Department in March, 1964, found increasing satisfaction and a sense of fulfillment in his new position and is grateful for the friendly and helpful cooperation he has had from everyone in the Hospital. He has continued his work as an editor of the American Journal of Diseases of Children and as one of the authors of a new textbook of pediatrics which will be published next year. In his new position as Clinical Professor of Pediatrics at Columbia's College of Physicians and Surgeons, affiliated with St. Luke's, he has spent many hours teaching medical students on the wards and in the conference rooms of the Columbia-Presbyterian Medical Center.

Dr. Lucy H. Swift has begun her work in pediatric cardiology, an area of endeavor which promises to enlarge greatly when the expanded open-heart surgery program of the hospital is implemented. Dr. Elizabeth B. Watkins, Chief of the Pediatric Clinic, has worked long and productively to improve the efficiency of this rapidly expanding facility. Especially, she has formulated plans for an "acute clinic". Children who now come to the Emergency Room for acute illnesses can be cared for more easily, comfortably and adequately in such a clinic and, most important, they can receive a continuity of care and proper follow-up observation which is difficult to accomplish in the Emergency Room setting. All staff members presented various talks before medical and lay groups, locally and nationally, too numerous to list here.

Any report of pediatric staff activities would be incomplete without a note of appreciation for the contributions of Dr. Edward G. Stanley-Brown. Although he is, of course, a member of the Surgical Staff, his ever-ready availability, his valuable advice and his lucid teaching make him a most welcome member of the pediatric family.

### **Nursing Service**

Clark 7, with its 56 beds, is an impossibly large unit for one head nurse to manage and it has been divided into two units, under the direction of Miss Marie Daury and Miss Jeanette Zeilman. Nurses and doctors alike are delighted with this successful administrative change.

During the year Mrs. Barbara Clarey, our Pediatric Supervisor, resigned in order to have more time for her own growing family. Our regret about her leaving was great but our delight with her successor, Miss Loretta Ahern, is very real.

The pediatric service is fortunate in having surely as fine a nursing staff as can be found anywhere. Our nurses have justly earned the warm affection, esteem and gratitude of patients, parents and pediatricians.

### **Religious Service**

The strength and comfort which our chaplains bring daily to our sick children and their parents—and their physicians—should be thankfully noted. Their quiet and reassuring presence at the bedside, perhaps most especially when we are all working together to try to help a young child with a malignant disease and to support his frantic parents, is appreciated beyond words.

### **The Future**

The pediatric service is growing and will continue to grow. Even though there will be a full quota of house officers for next year, in the near future this quota must be enlarged. The service must increase its participation in community health activities. It is increasingly apparent that a new and larger pediatric out-patient facility, separate from adult facilities, must be made available. Clark 7 vitally needs an appropriate and comfortable waiting and reception room for parents.

In the immediate future, it can be expected that the expanded cardiac services will result in a considerably larger pediatric cardiology program. And the new Woman's Hospital building, adjacent to the pediatric ward, will allow for a considerable enhancement of the teaching and research programs in the area of premature and newborn infants.





# Physical Medicine

Shyh-Jong Yue, M.D., Director

**T**he Department continued in its endeavor to provide good patient care to both inpatients and outpatients of the Hospital Center. With continued emphasis on therapeutic exercise and ambulation techniques in rehabilitation, its limited space for adequate exercise programs was constantly apparent but within this space, an area was adapted for consultation, examination and treatment of referred cases.

The sixth floor of the new Vanderbilt replacement building has been assigned to this Department by the Committee on Study and Planning, and it is anticipated that this will help immeasurably in alleviating some of the space problems in the Department. Though detailed plans for utilizing this new area remain to be worked out, it will permit a large gymnasium and a room for a Hubbard tank in hydrotherapy, as well as space for treatment of private outpatients, and a room especially wired for electrodiagnosis. At the moment, there is some doubt about the inclusion of an occupational therapy division in the Department, and since this is an integral part of a rehabilitation service, it is hoped that it will be possible for this to be established. Nevertheless, though these plans are in the future, the Department is greatly encouraged by the prospect of enlarged quarters which should be of great benefit to the patients served.

## Patient Care

Because of the nature of rehabilitation needs today, more and more emphasis is placed on the use of therapeutic exercises and ambulation activities which is reflected in the list of modalities used. This

is not to say that other modalities are not needed too, depending on the condition to be treated, but it will be noted that exercise and gait training accounted for forty per cent of the total of 49,695 treatments given during the year.

#### Treatments

Therapeutic Exercise	15,218
Gait Training	3,737
Massage	12,377
Cervical Traction	1,196
Steam Pack	4,694
Paraffin Bath	718
Ultrasound	1,917
Short Wave Diathermy	2,053
Histamine Iontophoresis	205
Faradic	550
Motor Point Stimulation	391
Radiant Heat	3,069
Ultraviolet	86
Moistaire Cabinet	294
Whirlpool	2,379
Medcolator	319
Microwave	295
Bandaging	31
General Massage	30
Muscle Test	6
Tilt Table	9
Cold Pac	12
Electromyography	44
Chronaxie	60
Nerve Conduction Time	5
	<u>49,695</u>

The number of patients who visited the department are listed as follows:

#### Visits

<u>In-Patients</u>	<u>New</u>	<u>Revisits</u>	<u>Total</u>
Private	181	2,135	2,316
Semi-Private	247	2,598	2,845
Ward	245	3,294	3,539
	<u>673</u>	<u>8,027</u>	<u>8,700</u>

Out-Patients

Referred	164	1,490	1,654
Compensation	42	787	829
Columbia A. A.	47	293	340
Columbia Health	25	77	102
Courtesies	39	424	463
O.P.D.	391	6,404	6,795
	708	9,475	10,183

Beginning in February, an Electrodiagnosis Clinic was held one-half day each week and the following tests were done:

**Electrodiagnosis Tests**

Electromyography	44
Chronaxie	60
Nerve Conduction Time	5

**Education**

During the first six months of the year, Dr. Antonio Cocchiarella continued to serve this Department as part of his training program at the Columbia-Presbyterian Medical Center.

Weekly conferences have been held for the therapists including lectures by Dr. Yue and Dr. Cocchiarella. In addition, other lecturers included Dr. J. William Fielding on management of hip fractures, Dr. A. L. Loomis Bell Jr. on the emphysema patient; Dr. Norman A. Hill, hand injuries; Dr. W. Graham Knox, management of peripheral vascular diseases. Mrs. Babette Stern gave a series of four lectures on the Brunstrom technique—an exercise program for adult hemiplegias.

Instructions were given to student nurses in teaching crutch-walking and ambulation to orthopedic patients, and the Department cooperated with the Emphysema Clinic in the teaching of exercises to their patients. One therapist was assigned to the orthopedic wards to treat patients in that division.

### Staff Activities

In February Dr. Robert A. de Napoli was appointed Assistant Attending Neurologist assigned to this Department in charge of the Electrodiagnosis Clinic referred to earlier. In July, Dr. Cocchiarella, having completed his training in the specialty, was appointed Assistant Attending Physiatrist on a half-time basis.

New members of the staff physical therapists include Miss Carol Robinson, assistant supervisor to Mrs. Doris Lambert, and Miss Wendy Wheat, a graduate of Columbia University School of Physical Therapy.

In August, Dr. Yue and Dr. Cocchiarella attended the Annual Meeting of the American Congress and Academy of Physical Medicine and Rehabilitation in Boston. Dr. Cocchiarella presented a paper entitled "Physical Medicine for Hip Fractures." Dr. Yue continued to serve on the committee on equipment and facilities of the Academy.

In September, Dr. Yue attended the Fourth International Congress of Physical Medicine and Rehabilitation in Paris, France. He lectured on problems in prostheses and braces to the basic science course for orthopedic residents presented by Columbia-Presbyterian Medical Center, and on the musculoskeletal system in the course entitled Medical Aspects of Disabilities and Rehabilitation, at Teachers College.

The Department is grateful to the volunteers who have continued their assistance in transporting patients to and from the Department, particularly those who have been in regular attendance, Mrs. Dahlquist, Mr. De Castro, and Mr. Twyeffort.

# Radiology

Nathaniel Finby, M.D., Director

## Diagnostic Radiology

Virginia Kanick, M.D., Associate Director

**I**n the year 1964, Radiology was able to consolidate gains of previous years, perfecting newly acquired techniques and extending their clinical usefulness for patient care. The primary efforts of the Radiology Department in the past year, however, as always, have been directed toward the accurate and efficient performance of all the many routine radiological procedures necessary for the diagnosis and care of patients.

### Equipment

Further progress was made in the modernization of the Clark III Radiology Department with a definite improvement in the flow patterns for the more efficient care of patients. Expansion and modernization of radiologic equipment in the Cystoscopy Department has also contributed greatly to patient care. It is anticipated that both these areas will be called upon for an even greater patient load when the Woman's Hospital division moves into its new quarters, since the present radiological facilities of Woman's Hospital will not be replaced within the new structure and such work will be absorbed primarily by the Clark III Radiology Department and the Cystoscopy Department.

The Scrymser VIII Radiology Department continues to function efficiently for the routine examination of private patients. In addition, special radiographic procedures involving the use of image intensification, cineradiographic techniques, and multiple serial ex-



posures are now a well established routine in this area. The addition of television monitoring has been made during this past year and has proven to be an immense diagnostic aid, particularly in intravascular and intracardiac catheterization studies.

### **Personnel, Education and Research**

A full quota of Radiology Residents has been achieved after several years of deficit. Emphasis on the Residency Training Program has been primary in the past year. In addition the training program has been strengthened by a Fourth Year Fellow, Dr. Minou Razi from Iran. This Fourth Year Fellowship has been instituted to train young radiologists, post residency, in the newer diagnostic roentgenographic techniques for the study of the heart and vascular structures of the body. Dr. Razi has proven to be quite proficient in this field. A need for such specialized training in this expanding field has occurred; we are hoping that this portion of our program can be continued in future years.

A very active schedule of major intra- and extra-departmental conferences has been maintained. As in previous years, a Combined Residency Teaching Program, sponsored by the Directors of Radiology at Memorial, Roosevelt, St. Vincent's, Mt. Sinai, and St. Luke's Hospitals has been an effective modality for extension of experience and knowledge in Radiology.

Several changes in our Attending Staff have occurred. The Department regrets the loss of Dr. Samuel D. Hemley who left to take a post at the Englewood (N. J.) Hospital. Dr. Virginia Kanick has been appointed Associate Director of the Department and continues to be in charge of Scrymser VIII area. Dr. R. D. Kittredge has been given the responsibility of running the Clark III Division. During the year, Dr. Leonard Kaufman has joined the staff as an Assistant Attending Radiologist; his primary efforts have been directed towards improving Radiology liaison with the Woman's Hospital Division.

A continuing clinical research program in the diagnostic techniques of vascular catheterization, lymphangiography, and cineradi-



ography has been maintained and has resulted in the publication of sixteen papers during the year 1964. In the same fields of investigation, Drs. Finby, Kanick, and Kittredge have been active in presenting talks in a number of local and national meetings and to various New York City and suburban hospitals. Co-operative studies with the Departments of Surgery, Urology, Pathology, Orthopedics, and Medicine are still in progress.

#### **Future Projects**

The division of our diagnostic department into two widely separated areas has created a continuing problem in administrative management. More important it has presented frequent problems to the many staff physicians who, in the interest of good patient care, in many instances review films or consult with the radiologists, often even on a daily basis. Plans are being considered for the establishment of a more concentrated department on Clark III with possible removal of all radiologists offices to this area. It is hoped that this may be accomplished after the Vanderbilt Replacement Building has been erected.

Special areas of research interest include newer radiographic contrast media in clinical roentgenology of the urologic and biliary tracts sponsored by the Mallinckrodt Chemical Works and the Squibb Institute for Medical Research.

### **Radiation Therapy**

Leonard M. Liegner, M.D., Chief

Radiation Therapy continues to be a most important treatment modality in the fight to improve cancer care. Much basic research continues to accumulate supporting our view that radiation therapy whether externally or internally administered is effective in biochemical terms at the level of energy transfer, whether it be interference with enzymatic processes or nucleo-protein synthesis. The

concept of radiation therapy as a simple cautery agent has been abandoned. The newer science of radiation effects indicated above has led to an optimistic upsurge amongst radiation therapists to apply these basic laboratory findings to the clinical situation in efforts to cure more patients. St. Luke's Hospital's historical concern with patient care, and its encouragement of clinical research, have created an excellent environment for the treatment of patients with cancer.

### **Research**

Research in the radiation therapy section in the past year has been based on scientifically planned and observed clinical investigations. Using micro-dosimeters that can be inserted into tissues and body cavities we have been able to verify calculated dosages to body tissues. Special studies in this regard have been carried out in co-operation with Woman's Hospital to ascertain tissue dosage received by the uterus, surrounding tissues and lymph nodes both in the treatment of cancer of the uterus and cancer of the cervix. Prior to 1958, radiation dosage was specified as air dose; we can now specify dosage as skin, subcutaneous and tumor dose.

In co-operation with the physics department of Memorial Center in New York, through its Director, Dr. John Laughlin, we have made available immediate computerized records of our treatment planning printed out as a permanent isodose pictorial record. Direct telephonic transcription from Memorial Center to our department is envisioned in the immediate future.

Research in the area of altered time-dose administration of radiation is being carried out in an attempt to deliver radiation during that part of the reproductive cycle of the cell when cells are most sensitive. New basic studies have shown a four stage interval in the life cycle of cells, most importantly a very radiosensitive early nucleoprotein synthesis phase, which varies from 5-10 hours during which cells are most vulnerable to a given radiation dose. Since millions of cells in a given tumor volume are going through the cycle at different times we have attempted to use drugs such as

Colchicine and Periwinkle (Velban) drugs to stimulate all cells to go through the cell cycle with a synchronous timing. Pilot studies are being carried out in co-operation with Dr. John Staige Davis in this area with encouraging results.

Another area of research which offers hope of increasing tumor sensitivity to radiation is the use of oxygen inhalation therapy. Basic research has shown tumor sensitization with mask breathing of 95% oxygen and 5% carbon dioxide mixtures. Our most dramatic sensitization effects using oxygen-carbon dioxide breathing mixtures have been in the treatment of bladder tumors. Mr. and Mrs. Morgan Whitney have contributed research funds for these studies.

Newer time-dose studies are also being carried out in tumors with low curability without the use of sensitizing agents which we have named the "rapid treatment-incremental, crescendo dose technique." Rather than prolong therapy to 6 or more weeks the somewhat lower absolute dose is given in an overall time of two to three weeks. Remarkable regression of esophageal cancers with minimal reactions and prolongation of life has resulted in a number of patients.

#### **Clinical Activity**

An area of major co-operation has been in the treatment of childhood cancers. Dr. Harold Dargeon has made a major contribution to our experience in this area. His guidance and the sustained interest and the exceptional co-operation of the Pediatric Service has permitted the Radiology Department to give superior care to more than 60 children suffering with cancer during the past two years.

Participation in the Woman's Hospital tumor group and gynecological tumor therapy becomes increasingly more important. The Radiology Department participates actively in the deliberations of the Tumor Conferences wherein co-operative advisements and decisions for therapy are offered.

### Radioisotopes

The Radiology Department in conjunction with the Isotope Laboratory carries on in the important area of organ scanning. In the past two years, over 300 liver scans have been performed. A joint scientific study involving the Departments of Radiology and Medicine on the value of liver scanning validated by liver biopsies has been undertaken by Dr. Liegner and Drs. P. Holt and F. Stein.

Pancreatic scanning is being explored and evaluated. Brain isotope scanning is a valuable aid to brain lesion diagnosis and is being used in increasing frequency as the accuracy of the method receives surgical confirmation.

### Education

The radiation therapy section of the Department of Radiology is actively involved in teaching responsibilities at Columbia-Presbyterian Medical Center both in clinical presentations and in resident training. At St. Luke's, radiation therapy conferences are held on alternate Fridays as a combined staff-resident practicum. Yearly series of lectures in the principles of radiation therapy are given to the exchange nurses during their training program. A series of lectures in the radiation therapy of gynecological cancers is given each year to the residents and staff at Woman's Hospital.

### Statistics—1964

Total new patients .....	640
Consultations .....	225
Total Treatments	
(Co <sup>60</sup> , X-Ray) .....	7,932
Total Revisits .....	7,915
Total Isotopes .....	382 (15 implants)
Total Radium .....	35
Total Follow Up .....	1,275

# Surgery

Harold A. Zintel, M.D., Director

1964 was marked by the end of the first decade of a geographically full-time Director of Surgery. During this ten year interval a great many changes have occurred in the hospital including the introduction of research activities by the Surgical Service at St. Luke's Hospital.

Ten years ago Drs. W. Graham Knox, Robert Edmunds and John West were first experimenting with major arterial replacement with pliable, porous plastic tubes. As a result of this early work in the laboratory, St. Luke's Hospital now enjoys the reputation as one of the leading vascular surgery centers in New York City.

Also in 1954, Dr. Hugh Fitzpatrick initiated research work on methods of heart-lung bypass. This made St. Luke's one of the first cardiac research centers in the New York metropolitan area and established the reputation of St. Luke's Hospital in the field of cardiac surgery. Organ transplantation has received considerable publicity in the surgical literature as well as in the daily press. Dr. Richard Stark began his now classic work with skin homografts and the role of the regional lymph node in the homograft reaction in 1954. A blood vessel bank established in 1954, was subsequently abandoned as prosthetic materials supplanted the homografts in availability, application and utilization. A decade later, in 1964, however, our interest in organ and homograft preservation and storage was revived as a result of published success with organ transplants.

During these ten years of teaching, research, and patient care, various members of the Surgical Service published a total of 321 papers. Twenty-seven surgeons have completed their general surgical training at St. Luke's Hospital, and all are diplomates of the American Board of Surgery.

Every member of the general surgical attending staff has an appointment on a medical school faculty, and each year the 4th year residents are given appointments as assistants in surgery on the faculty of the College of Physicians and Surgeons of Columbia University.

In 1961 St. Luke's Hospital became an active, participating member of the National Cancer Chemotherapy Program, and a Tumor Registry was established during this same period. The Registry, directed by Dr. Robert Edmunds should receive notice of approval by the American College of Surgeons during the next year. In 1964 a member of the Surgical Service, for the first time, won a fellowship from the American Cancer Society for research in the field of cancer.

#### **Staff Activities**

In the field of cardiac surgery plans were formulated during 1964 to expand the cardiac surgical program to provide additional support and surgical skill.

Plans were made for modification and expansion of the Surgical Research Area in order to accommodate increased activity in cardiothoracic research. Dr. Colin McCord, an internationally renowned cardiac surgeon accepted an appointment to the hospital, to become effective 1965. Dr. McCord will guide and actively participate in the Cardiac Surgical Program now underway at St. Luke's Hospital.

On July 1, 1964, Dr. Howard Nay who had just completed his residency at St. Luke's Hospital and Dr. Robert Miller, who completed his residency in 1962, joined the attending staff in surgery.

Dr. Herbert Parsons retired from active practice in neurosurgery on May 1, 1964. Dr. Parsons had been associated with St. Luke's Hospital since January 1, 1936 when he began his internship in surgery. Upon Dr. Parson's retirement, Dr. Robert Schick was appointed Chief of the Neurosurgical Clinic.

Dr. W. Graham Knox was elected Treasurer of the New York Surgical Society in 1964, while Dr. John West, President in 1963, served on the Council of that organization. Dr. Harold Zintel and

Dr. John West serve on the Council of the Surgical Section of the New York Academy of Medicine, both having been previous chairmen of this section. Dr. Zintel also serves on Membership Advisory Committee of the American Surgical Association. Dr. Zintel also remains an active member of the National Committee on Trauma of the American College of Surgeons.

Dr. Richard Stark was reelected President for the fourth time of the Foundation of the American Society of Plastic and Reconstructive Surgery, the overseas arm of Organized American Plastic Surgery. Dr. Stark was also elected president of the New York Regional Society of Plastic and Reconstructive Surgery.

#### **Ward Services**

The three surgical wards enjoyed an unusually high occupancy rate in 1964. The utilization of the facilities in the Intensive Care Unit has in actuality, slightly expanded the bed capacity of each surgical unit, and at the same time has enabled each of the ward services to give better patient care. Attending coverage for the A Surgical Service has remained unchanged. Dr. Robert Miller was assigned to the A Service in July 1964 as a Junior Attending and has devoted much time to the teaching of the residents in the Operating Room.

The surgical B Service has had Drs. Hugh Fitzpatrick and Robert W. Fraser as responsible attendings during 1964. Dr. Alexander E. W. Ada has remained as the Senior Consultant.

Drs. Peter Bossart and Robert McCabe have continued to assist in patient care and teaching of the B Service Residents. Dr. Malcolm Moley also actively participated in the functions of the B Service. On July 1st, Dr. Howard Nay graduated from chief resident on the B Service to an acting assistant attending.

#### **Residency Training Program**

One-hundred and eight House Officers, as interns, assistant residents and residents have had part or all of their training at St. Luke's Hospital in the past ten years. Twenty-seven surgeons have had their senior residencies at this institution, and of these, seven are



now on the attending staff of the hospital. One of our former chief residents, Clayton De Haan, is now a member of the attending staff of the hospital in Plastic Surgery. In 1964 there were intern applicants from 18 different medical schools. Requests for assistant residency positions were received from 159 individuals from all parts of the United States.

It has become obvious recently, that many former ward patients were appearing as semi-private patients as certain insurance benefits became more universal. Since medicine seems destined for further governmental subsidization, plans were undertaken in 1964 to inaugurate a surgical semi-private teaching service in order to preserve an adequate supply of clinical material and assure that St. Luke's Hospital maintain its teaching program. Dr. John West has consulted with members of local medical insurance companies, with the hospital attorneys, and with members of the County Medical Society in formulating basic plans for this teaching service. It is anticipated that this plan will insure our residents of a good teaching experience.

#### **Medical Student Teaching Program**

As part of our close affiliation with Columbia University College of Physicians and Surgeons, 25 of the 104 fourth-year medical students came to St. Luke's Hospital. Each student spent two months during the year as surgical externs at St. Luke's Hospital. The program was under the direction of Dr. Robert Edmunds. The students lived in the hospital and participated in all of the activities on the wards, their duties similar to those of the interns. In general, the externs carry approximately one-half of the load and responsibility of an intern. In addition they attended a series of forty lectures on various aspects of surgery.

#### **Operating Room**

Over the past few years, there has been a steady increase in the number of surgical procedures performed annually. Now well over eight thousand operations are performed each year by all services.

New equipment, safeguards and improvements are constantly being acquired: a new emergency electric generator system was acquired by the hospital and is in operation throughout the hospital; additional air conditioning filter protection has been installed in all the operating rooms to supplement the present filters; the latest equipment and pumps for complete cardiopulmonary bypass for cardiac and vascular cases are available, even for emergency use; a new direct current defibrillator has been acquired in the operating room for use in cardiac cases, and is available in the event of a cardiac arrest. With the increase in the number of vascular surgical cases being performed, more and varied types of operating room angiographic studies are being employed.

#### **Anesthesia**

Our Anesthesiology Department has increased its use of regional anesthetic techniques, particularly epidural anesthesia. A new technique of regional anesthesia using intravenous xylocaine has been particularly useful for emergency traumatic cases. The anesthesiologists have continued the use of hypotensive medication in various plastic surgical and neurosurgical cases. And with the increased anesthesiology staff, excellent supervision is provided for the resident anesthesiologists.

#### **Pathology**

The Pathology Department, under the direction of Dr. Charles Begg, performed more frozen sections in 1964 than ever before: nearly 400. The newest cryostat frozen section techniques are available. The excellent quality microscopic sections have given more accurate diagnoses than in the past.

The problem of surgical wound infections has been the subject of much research throughout the years. One channel of investigation has been the study of various types of agents used in scrubbing our hands. A very elaborate, comprehensive, comparative study of various types of hand scrubbing agents was initiated in 1964 under the direction of Dr. Harold Zintel and Dr. Graham Knox.

### **Cancer Chemotherapy 1964**

St. Luke's Hospital has continued to participate in the Clinical Drug Evaluation Program. This national clinical research program involving some 67 United States hospitals, is supported by the National Institute of Health, National Cancer Institute, and Cancer Chemotherapy National Service Center.

### **Vascular Surgery**

Vascular surgery continues to be an enlarging sub-specialty of General Surgery. An increasing number of arterioplasmic procedures are being performed for arterial lesions in the neck and arm vessels as well as the more standardized procedures performed for arterial diseases of the abdominal aorta and the arteries of the lower extremities. Twelve more major arterial reconstructive procedures were performed in 1964, when compared with 1963. Operative mortality for elective resection of abdominal aorta aneurysm is presently six percent. This is a very low mortality rate and compares most favorably with many of the vascular centers nationally. Percutaneous femoral arteriography and translumbar aortography are being performed in the operating rooms. These techniques, together with very extensive angiographic studies performed by our Department of Radiology, have greatly increased the accuracy of diagnosis available for patients with arterial lesions.

The Peripheral Vascular Clinic treated a total of 241 patients in the year 1964, an increase of 42 patients over the preceding year.

### **Pediatric Surgery**

The year was one of unprecedented growth and development in Pediatric Surgery. Of the 1,502 infants and children admitted to Clark VII, 532 of these required general surgical care. Not included are urologic, orthopedic, and otolaryngology patients.

In July, the Children's Floor was divided into two divisions, each with its own Head Nurse and Nursing Station. Semi-private and surgical patients comprise one unit while medical patients and the two nurseries make up the other division. This arrangement is

working well and to the complete satisfaction of our Nursing Staff. There is no specific assignment of beds and either side spills over onto the other as the need arises.

The numerous striking improvements in Pediatric House Staff, ward rounds, conferences, and clinical teaching under the stimulus of Dr. Stuart S. Stevenson have resulted in far better patient care and a closer liaison between the Department of Pediatrics and Surgery.

There were four operative deaths during the year with a 75% autopsy rate. Of these deaths only one must be classified as preventable. There were 935 visits to the Pediatric Surgical Clinic compared to 752 in 1963.

As we have done each year since the establishment of the Pediatric Surgical Service, it is a real pleasure publicly to thank our superb nursing staff. The endless hours of skilled care, kindness, sympathy, and understanding are in many ways more important than the actual surgery. It is especially satisfying to report that the excellence of nursing care continues despite the increased patient load.

#### **Plastic Surgery**

In February, 1964, Dr. Richard Stark journeyed to Saigon, South Viet Nam, where he established a training program in plastic surgery under the aegis of CARE-MEDICO. This proved to be an extremely interesting as well as challenging experience. The program was dependent upon the willingness of plastic surgeons in the United States to follow at monthly intervals and to assume full responsibility for it.

Dr. David Saunders, a former resident in plastic surgery at St. Luke's, was one of these who volunteered his services and made possible continued success of the program throughout the year.

Dr. Hiroshi Washio completed a year as research fellow at St. Luke's Hospital in July, 1964. During this time he was active in research projects relating to both general and plastic surgery. His main work centered about a study of anomalies in the chick embryo as these were related to normal and abnormal circulation.

A laboratory study of the vascular augmentation of tissues as it is related to the transplantability of pedicle flaps and composite grafts was completed by Drs. Richard Stark and Clayton De Haan. This was a prolonged study encompassing a period of over seven years. Determined was the fact that the arterial blood supply to an area or part could be significantly enhanced by a pretreatment with histamine induced percutaneously by iontophoresis. It was somewhat of a paradox to find that the venous circulation could not be similarly enhanced. Pedicle flaps could be more safely transferred to recipient areas where circulation had been enhanced and composite grafts of greater size than previously thought possible could be transplanted successfully.

Approval of support for an intensive and protracted study of the mechanism of speech was received from the National Institute of Health. Dr. Weatherley-White has been largely responsible for this work to date. It has long been recognized that no uniform method of speech evaluation has been available. As a consequence, a study in one area of the country is not necessarily comparable to that done in another area. The purpose of the present study will be to develop a method of evaluation which will be simple to administer yet applicable to all patients providing uniform information which can be interpreted similarly by all observers.

Other investigational work dealt with aspects of homotransplantation, blood loss associated with surgery done under hypotensive anesthesia and the etiology of congenital malformations.

The major portion of work on a book devoted to the complete care of the cleft palate child was completed during 1964. Many members of the cleft palate team have contributed to this book which will be published during 1965 and will be the only comprehensive text published in the U.S.A. devoted entirely to this singular problem.

#### **Surgical Research Laboratories**

The year 1964 was witness to a continuing growth in activity of the Surgical Research Laboratories. As in previous years, vigorous partici-

pation by members of both the Attending and House Staff produced many varied and interesting projects. During the year, 385 major and 285 minor operative procedures were performed. This represents an increase of 88% over the previous year.

*Surgical Bacteriology* A continuing comparative evaluation of germicides for surgeon's skin is being conducted under environmental conditions using randomly selected scrub nurses, attending surgeons and resident surgeons in the operating rooms. This represents a cooperative effort of the General Surgical Service and the Department of Microbiology. Three germicides, Phisohex, Betadine and an experimental halogenated salicylanilide are being tested.

*Fibrinolysin Studies* Drs. Howard Nay and Hugh Fitzpatrick have been studying the effect of local fibrinolysin perfusion in clot lysis. Particular attention has been directed towards the fate of clots so treated, in vein and prosthetic grafts. After insertion of the graft, clots are created and dissolution with fibrinolysin attempted.

*Experimental Study of the Formation and Treatment of Esophageal Strictures Secondary to Lye Burns* The subject of corrosive esophageal burns and its proper treatment remains an enigma. The treatment is empiric. Drs. W. G. Knox, Robert McCabe, Randolph Guthrie and Harold Zintel have been studying this problem intensively during the past year. They are evaluating the efficacy of steroids as opposed to bouginage, and each alone as compared to a combination of both, on the formation of esophageal stricture after lye burn.

Using dogs, segments of esophagus are temporarily isolated by ties and exposed to lye introduced through a Levine tube. Postoperatively, the burned dogs are divided into different groups employing one or both of the aforementioned modalities of therapy.

*Organ Preservation* Drs. Zintel, McCabe and Guthrie are also engaged in investigation of methods of storage of organ transplants. In vitro, organs deteriorate rapidly due to autodigestion by proteolytic and other enzymes. Trasylol, a new proteolytic enzyme inhibitor, is being used experimentally in an attempt to prolong organ

preservation. These investigators are using dog kidney to determine the effectiveness of the new drug.

*Transplantation* Basic research in the field of transplantation received considerable attention by several members of the Surgical Service. Dr. Richard Stark and Miss Marjorie DeForest have continued to investigate the role of the lymph node in the homograft reaction. Drs. Harold Zintel, Robert McCabe, Randolph Guthrie, and others have continued to investigate various combinations of immunochemical suppressive agents as a means of sustaining a homotransplanted organ. As a result of their studies, it has become apparent that the homograft reaction can be reversed, but that the toxic side effects are prohibitively dangerous to the survival or well-being of the host animal. Many of the animals died due to anemia, malnutrition, and infection.

*Renovascular Hypertension* Drs. D. T. Schwartz, R. E. McCabe, R. E. Miller and H. A. Zintel have been investigating the effect of Portocaval Transposition in Renovascular Hypertension in Dogs. This project was initiated by Dr. D. Schwartz during his internship year and continued during his third assistant resident year.

Sustained hypertension was produced in each of six dogs by left renal artery constriction leaving the right kidney untouched. In each of nine dogs, portocaval transposition prevented any significant rise in blood pressure as measured 4-6 weeks after renal artery constriction. These observations suggest that portocaval transposition prevents the development of hypertension by causing an inactivation of angiotension in renal effluent blood as it passes through the liver.

On the other hand, end-to-side distal inferior vena cava to mesenteric vein shunt failed to reverse hypertension from unilateral renal artery constriction. Since in each of three dogs this procedure failed to relieve hypertension, it is concluded that diversion of intestinal effluent blood is a necessary condition for in vivo inactivation of angiotension by passage through the liver.

*Open Heart Surgery* A team, headed by Drs. Colin McCord and H. F. Fitzpatrick and including Drs. H. R. Nay and R. E. Miller has



been formed to undertake to care for patients requiring cardiopulmonary bypass-type surgery. With this objective in mind, the group has been performing two open heart operations per week in the research laboratory on mongrel dogs.

Research in the field of prosthetic cardiac valves is planned for the future. This will include the testing of various substances and their resistance to the formation of intracardiac thromboses. Clot formation on the surface of prosthetic valves remains an unsolved problem. With Dr. McCord's vast experience in this field it is expected that productive investigative work will be forthcoming.

Clinically, the team meets each week with their cardiopulmonary medical colleagues at the case selection conference. Through this conference, an elective list of prospective heart surgery patients is being prepared.

In view of the increased surgical research activity at the hospital, the facilities on Clark 10 are being enlarged and modernized. The additional space will enable us to accelerate our research endeavors.

#### **Bacteriology and Surgery**

The annual report of the Microbiology Laboratory shows a total of 160,390 tests of all types (bacteriology, mycology, parasitology, serology, environmental controls, etc.) performed in this unit for all services and all divisions of the Hospital.

Surgical wound cultures represent approximately 11% of the total specimens submitted within the main hospital for bacteriological investigations only, and about 1.2% of the total work of the unit. The above percent figures are exactly the same as in 1963.

Tests classified under the heading of "Infection Control" totalled 2,139 for the year. This figure includes bacteriological surveys of ward and checks, therapeutic solutions, milk cultures, sterility controls on blood and plasma from the Blood Bank, and Autoclave controls.

#### **Nursing Service**

Throughout the year, a number of nursing appointments were made

to the Surgical Service. Miss Elizabeth Jones was appointed Head Nurse and Miss Marilyn Speight was appointed Assistant Head Nurse on Stuyvesant 6. Miss Jean Coates was appointed Assistant Head Nurse on Minturn 2. Miss Judith Fry was appointed Assistant Head Nurse on Stuyvesant 7. Miss Lorraine L. Sudol, long associated with the hospital as a floor nurse, Operating Room nurse, and as a teacher in the School of Nursing was appointed Surgical Supervisor. By reason of her long experience she is well qualified to assume the responsibilities of this appointment. Mrs. Irene Jennings who so ably served as Surgical Supervisor in 1963, was promoted to Administrative Assistant in Charge of Staffing.

We are indebted to the secretarial assistance of Mrs. Irma Dobbs, Miss Renate Lerch, and Mrs. Gloria Strauss. The continued cooperation and technical assistance of Mr. Wilbur Herring, Mr. Edward Carney, Mr. Philip Greeley and Mr. David Pomerantz is gratefully appreciated.

# Urology

John W. Draper, M.D., Director

The Resident training program in the Urology Service has been extended to include a rotation of Obs-Gyn residents for a period of six months. The six months exchange of second year Residents from St. Luke's Urology Service and the Cornell-Bellevue Urology Service continues. The option of surgical Residents to rotate through this service is still available.

The Cystoscopy Unit of the Urology Service will handle all cystoscopic procedures for the Woman's Hospital when it opens.

## Staff Activities

Dr. John W. Draper, Director of the Urology Service, spent some time in Santo Domingo in February, where he presented to the Medical Association, a paper on, "Surgical Treatment of Urethral Strictures".

Drs. Draper, Cutrofello and Iswariah attended the American Urological Association Meeting in New Orleans from May 9th through May 13th where Dr. Iswariah of the Urology Research Section presented a paper on, "Aortography as an Adjunct in the Diagnosis and Treatment of Renal Trauma". A part of this study involved an assessment of the value of aortography in comparing the techniques of mattress suturing versus capsular closure of the kidney. The study is still in its early stage.

Dr. Iswariah is continuing the investigation of perfusion of antibiotics through renal artery of dog in the treatment of acute and chronic pyelonephritis. This study is being supported by the Research Committee of St. Luke's Hospital.

The study of the effects of the carcinogenic agent, Betanaphthylamine, on partial autogenous grafts in dog bladders is still in progress.

Cancer has developed on the natural mucosa of the bladders of three dogs. However, the autograft sites remain free of this disease. Additional investigation is needed before final evaluation is made.

Dr. Russell Lavengood was appointed Clinical Assistant Professor of Surgery (Urology) at Cornell Medical College in July, 1964 and he was elected Secretary to the Society of Alumni of Bellevue Hospital in January of this year. He is continuing his activities in Pediatric Urology in collaboration with the Pediatric Service. He also continues with his investigations of megacystis syndrome, varicocele and renal bisection of the kidney for renal calculus.

Dr. Joseph N. Ward was certified as Diplomate of the American Board of Urology in March, 1965. He continues his various research projects here at St. Luke's as well as at Woman's Hospital. He is now Associate Attending Urologist.

Woman's Hospital Urology Clinic is to be incorporated with St. Luke's Urology Clinic and Dr. Alfred Fretz has done considerable work in the expansion and organization of these sections. He is in the process of organizing a Follow-Up Clinic for this service. This should be in operation by September, 1965. He also has been active in preparing and providing informative lectures on urology to the medical students in the Surgical Clinical Clerkship Program.

Dr. Piero Niceta who assumes Chief Resident's responsibilities in July is also engaged in the research studies of differential absorption in hydrocele fluid, anomalies in the cystometrogram in patients under continuous barbituric sedation and torsion of the testes in the newborn.

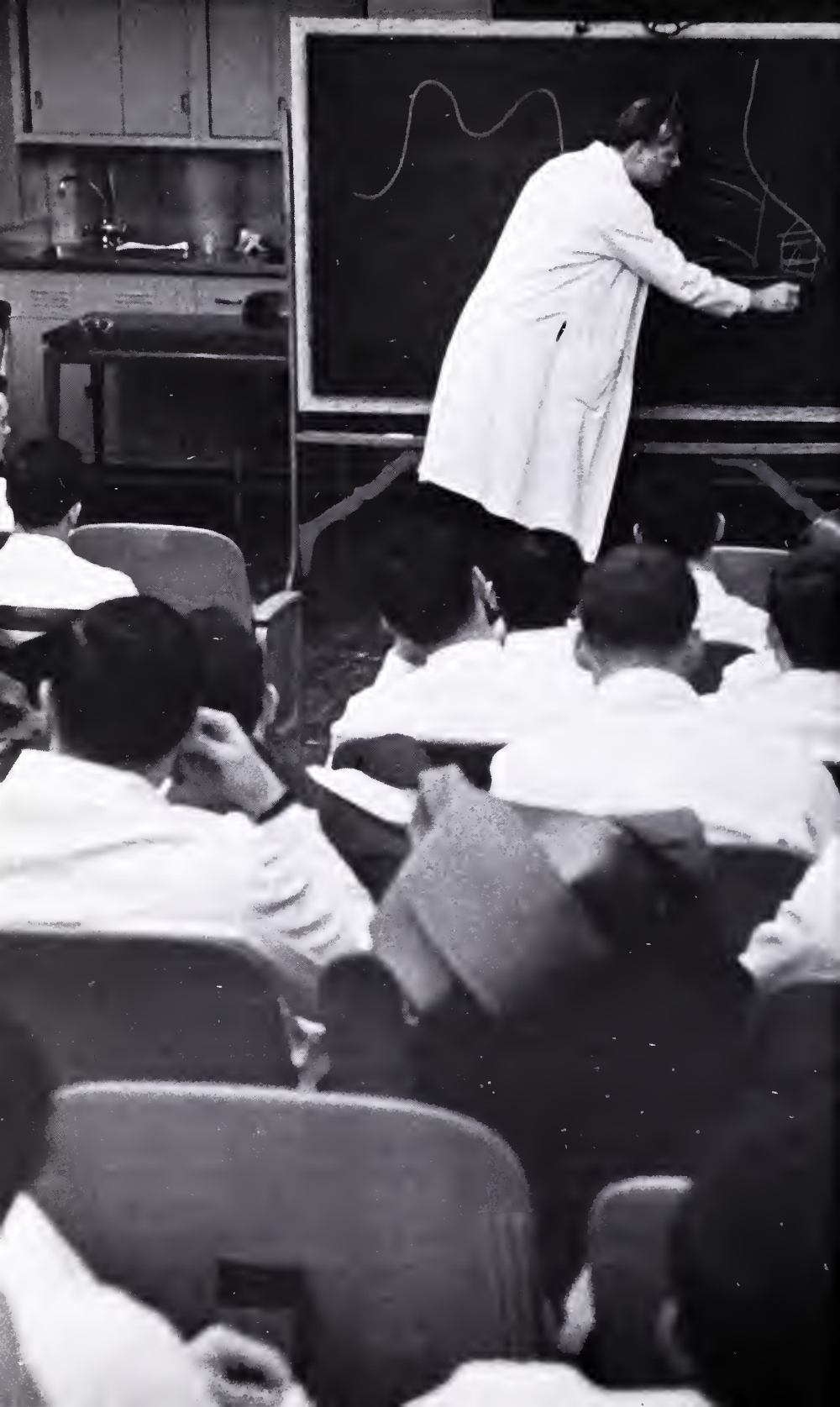
Dr. Pellegrino Tozzo, our third year resident, after six months rotation through Cornell Urology Service at Bellevue, will return to St. Luke's in July, 1965 and resume his study of unilateral epididymitis in relation to male fertility.

Dr. Rudolph Talarico has undertaken the study of CO<sub>2</sub> cystograms in the evaluation of prostate size. He is also studying the relationship between congenital spinal malformation and urological anomalies.

Two new drugs and one known drug, all of sulfa origin, which

have been synthesized by Hoffman-LaRoche are in the process of being investigated clinically. One, a long-acting sulfa, is being evaluated in the treatment of chronic and acute urinary tract infections. The second drug, a potentiator of known sulfas, is to be evaluated in conjunction with Gantrisin in the treatment of urinary infections which have failed to respond to conventional drug therapy. The third drug, Gantanol, is to be used in a long-term study of approximately one year, and its effectiveness in eradicating chronic renal infection is to be assessed. These three projects are being supported by Hoffman-LaRoche.

A new spot test, manufactured by Mallinckrodt, for detection of asymptomatic bacteriuria is being studied. The principle underlying this test is the presence of nitrate-reducing organisms in the urine. The test agent, when exposed to nitrite, will produce a bright pink color within 30 seconds. Before conclusive evaluation can be made, further study is indicated. If successful, it could be of tremendous value to physicians who, at present, must rely on tests requiring a longer period of time for conclusive diagnosis of pathogenic bacteria in urine.



# The Medical Staff

Including Appointments to the Outpatient Staff and the Clinic Staffs

## Medical Service

### Director of Medicine and Attending Physician

Theodore B. Van Itallie, M.D.

### Consulting Physicians

Luis A. Amill, M.D.

(and Consulting Hematologist)

G. Jarvis Coffin, M.D.

Waldo B. Farnum, M.D.

John R. Graham, M.D.

(in Epidemiology)

Albert C. Herring, M.D.

Oswald R. Jones, M.D.

John McDowell McKinney, M.D.

(in Neurology)

James R. Scott, M.D.

W. H. Sebrell, Jr., M.D.

(in Nutrition)

William L. Tucker, M.D.

(in Immunology)

Karl Vogel, M.D.

### Attending Physicians

Charles G. Adsit, Jr., M.D.

A. L. Loomis Bell, Jr., M.D.

Charles K. Bogoshian, M.D.

E. P. Childs, M.D.

John Staige Davis, Jr., M.D.

C. Louis Gilbert, M.D.

Jed H. Irvine, M.D.

William S. Norton II, M.D.

Robert F. Solley, M.D.

Samuel F. Thomas, M.D.

Myron Wright, M.D.

### Associate Attending Physicians

Robert S. Beekman, M.D.

John F. Bertles, M.D.

Robert B. Case, M.D.

James A. Feltman, M.D.

Francis G. Geer, M.D.

William A. Geohegan, M.D.

(in Neurology)

Maurice F. Goodbody, M.D.

Robert S. Graham, M.D.

(in Neurology)

James G. Hilton, M.D.

John H. Keating, Jr., M.D.

Richard P. Keating, M.D.

E. Eugene Mullen, M.D.

William J. Pyles, M.D.

Charles H. Richards, M.D.

(in Neurology)

Fred J. Schilling, M.D.

Miles J. Schwartz, M.D.

Craig N. Smith, M.D.

Frank E. Smith, Jr., M.D.

Aubrey L. Whittemore, Jr., M.D.



### **Assistant Attending Physicians**

William John Athos, M.D.  
Richard S. Crampton, M.D.  
Paul Cushman, M.D.  
Donald P. Dallas, M.D.  
Hugh C. Davidson, Jr., M.D.  
Elisabeth B. Decker, M.D.

(in Neurology)

Robert A. DeNapoli, M.D.

(in Neurology)

George Dermksian, M.D.  
William C. Felch, M.D.  
Jonas M. Goldstone, M.D.  
Sami A. Hashim, M.D.  
Peter R. Holt, M.D.  
Marjorie Nelson, M.D.

(to Columbia Infirmary)

Hector Perrone, M.D.  
Richard N. Pierson, Jr., M.D.  
Karoly G. Pinter, M.D.  
Francis Xavier Pi-Sunyer, M.D. (Acting)  
Edward H. Reisner, Jr., M.D.  
Martin A. Rizack, M.D.  
Herbert J. Smith, M.D.  
Thomas T. Tamlyn, M.D.

### **Consulting Cardiologists**

Gertrude H. B. Nicolson, M.D.  
Elvira Ostlund, M.D.

(in Pediatrics)

### **Cardiologist**

E. P. Childs, M.D.

### **Associate Cardiologist**

A. L. Loomis Bell, Jr., M.D.

### **Assistant Cardiologists**

Robert B. Case, M.D.  
Miles J. Schwartz, M.D.

### **Research Associates**

George J. Christakis, M.D.  
William F. Haynes, M.D.  
Rene Pingeon, M.D.  
Seiichi Shimomura, M.D.  
Paul R. Torrens, M.D.  
Coenraad D. Westermann, M.D.

### **Appointments to the Out-Patient Department Staff**

Antonio Acosta-Velarde, M.D.  
Eric Andreae, M.D.  
Robert C. Atkins, M.D.  
Harry Bartfeld, M.D.  
Herbert R. Blain, M.D.  
Gilbert R. Cherrick, M.D.  
Michael R. Dubin, M.D.  
John Jay DuBois, M.D.  
Emanuel Goldstein, M.D.  
Michael H. Grieco, M.D.  
William S. Hopewell, M.D.  
Horace W. Hurley, M.D.  
Consuelo Ives, M.D.  
Paul Keating, M.D.  
Benjamin Kightlinger, M.D.  
Michael O. Kovaleff, M.D.  
Monroe B. Kunstler, M.D.  
Worth Boyd Lintz, M.D.  
Burton P. McHugh, M.D.  
Mary V. Nelson, M.D.  
Robert B. Roven, M.D.  
Louis F. Scian, M.D.  
Katherine Shishlow, M.D.  
Eugene R. Stanton, M.D.  
John A. Taylor, Jr., M.D.  
Arthur S. Verdesca, M.D.  
Isabella S. Wakeham, M.D.

### **General Medical Clinic**

Myron Wright, M.D. (Chief)  
Eric Andreae, M.D.  
William J. Athos, M.D.  
Robert C. Atkins, M.D.  
Gilbert R. Cherrick, M.D.  
Richard S. Crampton, M.D.  
Paul Cushman, Jr., M.D.  
Hugh C. Davidson, Jr., M.D.  
George Dermksian, M.D.  
James A. Feltman, M.D.  
Emanuel Goldstein, M.D.  
Jonas M. Goldstone, M.D.  
Maurice F. Goodbody, M.D.  
Michael H. Grieco, M.D.  
Lillian H. Hellstrom, M.D.  
William S. Hopewell, M.D.  
Horace W. Hurley, M.D.

Consuelo Ives, M.D.  
 Benjamin N. Kightlinger, M.D.  
 Michael O. Kovaleff, M.D.  
 Worth B. Lintz, M.D.  
 Burton P. McHugh, M.D.  
 Mary V. Nelson, M.D.  
 Richard N. Pierson, Jr., M.D.  
 Edward H. Reisner, Jr., M.D.  
 Katherine Shishlow, M.D.  
 Craig N. Smith, M.D.  
 Eugene R. Stanton, M.D.  
 Paul R. Torrens, M.D.  
 Arthur S. Verdesca, M.D.  
 Isabella S. Wakeham, M.D.

### **Allergy Clinic**

Aubrey L. Whittemore, Jr., (Chief)  
 Anafred N. Halpern, M.D.  
 Ruth Kessler, M.D.  
 Michael O. Kovaleff, M.D.

### **Arthritis Clinic**

John Staige Davis, Jr., M.D. (Chief)  
 Herbert R. Blain, M.D.  
 Dumont F. Elmendorf, M.D.  
 Jed H. Irvine, M.D.  
 Karoly G. Pinter, M.D.

### **Cardiac Clinic (Adult)**

Donald P. Dallas, M.D. (Chief)  
 Richard S. Crampton, M.D.  
 Hugh C. Davidson, Jr., M.D.  
 George Dermksian, M.D.  
 William S. Hopewell, M.D.  
 Paul Keating, M.D.  
 Robert B. Roven, M.D.  
 Seiichi Shimomura, M.D.

### **Chest Clinic (Adult)**

Charles K. Bogoshian, M.D. (Chief)  
 Antonio Acosta-Velarde, M.D.  
 Francis G. Geer, M.D.  
 John A. Taylor, Jr., M.D.

### **Diabetes Clinic**

William S. Norton II, M.D. (Chief)  
 Maurice F. Goodbody, M.D.  
 Sami A. Hashim, M.D.  
 Benjamin N. Kightlinger, M.D.  
 Mary V. Nelson, M.D.

### **Emphysema Clinic**

A. L. Loomis Bell, Jr., M.D. (Chief)

Eric Andreae, M.D.  
 Michael H. Grieco, M.D.  
 Burton P. McHugh, M.D.

### **Endocrine Clinic**

James G. Hilton, M.D. (Chief)  
 William J. Athos, M.D.  
 Paul Cushman, Jr., M.D.  
 Louis F. Scian, M.D.  
 Coenraad D. Westermann, M.D.

### **Gastrointestinal Clinic**

C. Louis Gilbert, M.D. (Chief)  
 Gilbert R. Cherrick, M.D.  
 John Jay Du Bois, M.D.  
 Peter R. Holt, M.D.  
 Monroe B. Kunstler, M.D.  
 F. Stafford Wearn, M.D.

### **Hematology Clinic**

John F. Bertles, M.D. (Chief)  
 Luis A. Amill, M.D.  
 Jonas M. Goldstone, M.D.  
 Edward H. Reisner, Jr., M.D.  
 Eleanor T. Roth, M.D.  
 Myron Wright, M.D.

### **Hypertension Clinic**

Miles J. Schwartz, M.D. (Chief)  
 Richard N. Pierson, Jr., M.D.  
 Coenraad D. Westermann, M.D.

### **Neurology Clinic (Adult)**

Samuel F. Thomas, M.D. (Chief)  
 Robert S. Graham, M.D.  
 William A. Geohagan, M.D.  
 Charles H. Richards, M.D.

### **Nutrition-Metabolism Clinic**

Karoly G. Pinter, M.D. (Chief)

### **Peripheral Vascular Clinic**

Fred J. Schilling, M.D. (Chief)  
 George J. Christakis, M.D.  
 W. Graham Knox, M.D.  
 Robert E. McCabe, Jr., M.D.

### **Thyroid Clinic**

Richard P. Keating, M.D. (Chief)  
 Charles G. Adsit, Jr., M.D.  
 George Dermksian, M.D.  
 Carl S. Oakman, M.D.  
 William J. Pyles, M.D.

## **Surgical Service**

### **Director of Surgery and Attending Surgeon**

Harold A. Zintel, M.D.

### **Consulting Surgeons**

Edward J. Donovan, M.D.  
William F. MacFee, M.D.  
Paul C. Morton, M.D.  
Edward D. Truesdell, M.D.

### **Attending Surgeons**

Alexander E. W. Ada, M.D.  
Hugh F. Fitzpatrick, M.D.  
Robert W. Fraser, Jr., M.D.  
W. Graham Knox, M.D.  
Herbert Parsons, M.D.  
Bronson Sands Ray, M.D.  
(in Neuro-Surgery)  
Richard B. Stark, M.D.  
F. Stafford Wearn, M.D.  
John P. West, M.D.

### **Associate Attending Surgeons**

Charles R. Blair, M.D.  
Peter A. Bossart, M.D.  
Clayton R. DeHaan, M.D.  
Robert T. Edmunds, M.D.  
Colin McCord, M.D.  
Carl S. Oakman, M.D.  
Charles F. Schetlin, M.D.  
Edward G. Stanley-Brown, M.D.

### **Assistant Attending Surgeons**

Engel P. Hevenor, M.D.  
Robert E. McCabe, Jr., M.D.  
William T. Medl, M.D.  
Robert W. Schick, M.D.

### **Acting Assistant Attending Surgeons**

Randolph H. Guthrie, M.D.  
Edward K. Howard, M.D.  
John H. Hughes, M.D.  
Robert E. Miller, M.D.  
Howard R. Nay, M.D.

## **General Surgical Clinic**

W. Graham Knox, M.D. (Chief)  
Charles R. Blair, M.D.  
Peter A. Bossart, M.D.  
Robert E. McCabe, Jr., M.D.  
Robert E. Miller, M.D.  
Howard R. Nay, M.D.

## **Fracture Clinic**

W. Graham Knox, M.D. (Chief)  
Charles R. Blair, M.D.  
Peter A. Bossart, M.D.  
Robert E. McCabe, Jr., M.D.  
Robert E. Miller, M.D.  
Howard R. Nay, M.D.

## **Gynecology Clinic**

W. Graham Knox, M.D. (Chief)  
Charles R. Blair, M.D.  
Peter A. Bossart, M.D.  
Carl S. Oakman, M.D.  
Robert E. Miller, M.D.  
Howard R. Nay, M.D.  
Robert E. McCabe, Jr., M.D.  
Max Alexander, M.D. (Assistant)

## **Hand Clinic**

Clayton R. DeHaan, M.D. (Chief)  
William T. Medl, M.D.

## **Neurosurgical Clinic**

Robert W. Schick, M.D.

## **Pediatric Surgical Clinic**

Edward G. Stanley-Brown, M.D. (Chief)

## **Plastic Surgical Clinic**

Richard B. Stark, M.D. (Chief)  
Clayton R. DeHaan, M.D.

## **Rectal Clinic**

F. Stafford Wearn, M.D. (Chief)  
Malcolm Moley, M.D. (Assistant)

## **Obstetrical and Gynecological Service**

### **Director of Obstetrics and Gynecology and Attending Obstetrician and Gynecologist**

Harold M. M. Tovell, M.D.

### **Consulting Obstetricians and Gynecologists**

Albert H. Aldridge, M.D.

Irving H. Beckwith, M.D.

G. Gordon Bemis, M.D.

Edward A. Bullard, M.D.

Joshua W. Davies, M.D.

Inglis Frost, M.D.

John G. Hill, M.D.

James P. Marr, M.D.

Arthur J. Murphy, M.D.

Joseph N. Nathanson, M.D.

Nelson B. Sackett, M.D.

### **Attending Obstetricians and Gynecologists**

Haig Carapetyan, M.D.

Arthur M. Davids, M.D.

Leonard L. Hyams, M.D.

Carl T. Javert, M.D.

Locke L. Mackenzie, M.D.

Edward J. Sivigny, M.D.

Elise L. Renning, M.D.

### **Associate Attending Obstetricians and Gynecologists**

William B. Bell, M.D.

William Epstein, M.D.

Graham Hawks, M.D.

Emanuel Klempner, M.D.

Van P. Latsey, M.D.

Barbara J. Logan, M.D.

Bernard N. Nathanson, M.D.

Frank Spielman, M.D.

Dudleigh C. Stone, M.D.

Esther M. Ward, M.D.

### **Assistant Attending Obstetricians and Gynecologists**

John S. Aldridge, M.D.

Margot Ammann, M.D.

William O. Buell, M.D.

Robert M. Cushing, M.D.

John E. Dalton, M.D.

Dolores E. Fiedler, M.D.

P. Randolph Harris, Jr., M.D.

Ruth M. McLean, M.D.

Stuart Oster, M.D. (Acting)

Lajos I. von Micsky, M.D.

Ian G. Van Praagh, M.D.

### **Research Associate in Obstetrics and Gynecology**

Barbara J. Johnston, M.D.

### **Obstetrical and Gynecological Clinics**

Edward J. Sivigny, M.D. (Chief)

### **Assistants**

Ramon Basora, M.D.

Fernando C. Cocca, M.D.

James H. Ko, M.D.

Anne B. Pierson, M.D.

Richard X. Sands, M.D.

David H. Schonholz, M.D.

Neil Sherman, M.D.

Clarence E. Woodward, M.D.

## **Special Clinics (Woman's Hospital)**

### **Sterility and Endocrine Clinic**

Haig Carapetyan, M.D. (Chief)  
Paul Cushman, M.D.  
P. Randolph Harris, Jr., M.D.  
Dolores E. Fiedler, M.D.

### **Tumor Clinic**

Harold M. M. Tovell, M.D. (Chief)  
John S. Aldridge, M.D.  
Leonard M. Liegner, M.D. (Radiotherapy)  
Elise L. Renning, M.D.  
Ian Van Praagh, M.D.

### **Obstetrical Medical Clinic**

Robert S. Beekman, M.D. (Chief)

### **Family Planning Clinic**

Stuart Oster, M.D. (Chief)  
Anne B. Pierson, M.D.

## **Special Services**

### **Anesthesiology**

#### **Director of Anesthesiology and Attending Anesthesiologist:**

Louis S. Blancato, M.D.

#### **Consulting Anesthesiologist:**

G. Edgar Burford, M.D.

#### **Attending Anesthesiologists:**

Leonora L. Greteman, M.D.  
Aino Tuul, M.D.

#### **Associate Attending Anesthesiologist:**

Errol N. Harding, M.D.

#### **Assistant Attending Anesthesiologists:**

Ennio Gallozzi, M.D.  
Sui Tsung Lee, M.D.  
Edward Los, M.D.  
Altagracia Polanco, M.D.

## Dentistry

### Director of Dentistry and Attending Dental Surgeon:

Henry G. Rieger, D.D.S.

### Consulting Dental Surgeons:

Malcolm Wallace Carr, D.D.S.

Joseph D. Eby, D.D.S.

Edward J. Ortion, D.D.S.

### Attending Dental Surgeons:

William Ferderber, D.D.S.

Edward Stroh, D.D.S.

### Associate Attending Dental Surgeons:

Eugene R. Ball, D.D.S.

Anthony S. Caruso, D.D.S.

Francis J. Faggella, D.D.S.

Louis G. Haase, D.D.S.

Seth B. Willets, D.D.S.

### Assistant Attending Dental Surgeons:

Edgar L. Buehler, D.D.S.

Jerome Friedman, D.D.S. (Acting)

Byron S. Severns, D.D.S.

Robert W. Tirrell, Jr., D.D.S.

Cosmo J. Vetrone, D.D.S.

Edward C. Vollmer, D.D.S.

(in Orthodontia)

### Chief of Dental Clinic:

Edward Stroh, D.D.S.

### Assistants:

Kurt Koral, D.D.S.

Richard H. Sand, D.D.S.

## Dermatology

### Director of Dermatology and Attending Dermatologist:

Leslie P. Barker, M.D.

### Consulting Dermatologists:

Valentine C. Baker, M.D.

Perry M. Sachs, M.D.

Tryphosa R. Worcester, M.D.

### Attending Otolaryngologist:

Juan Larralde, M.D.

Alexander W. Young, Jr., M.D.

### Chief of Dermatology and Syphilis Clinic:

Leslie P. Barker, M.D.

### Assistants:

Helen Joan Fabian, M.D.

Herbert Kraut, M.D.

Roy Albert Stephens, M.D.

## Ophthalmology

### **Director of Ophthalmology and Attending Ophthalmologist**

Harry Eggers, M.D.

### **Consulting Ophthalmologists:**

John H. Dunnington, M.D.  
†W. Guernsey Frey, M.D.  
Walter Hipp, M.D.  
Algernon B. Reese, M.D.  
Henry Templeton Smith, M.D.

### **Attending Ophthalmologists:**

Ira S. Jones, M.D.  
Robert McClanahan, M.D.

### **Associate Attending Ophthalmologists:**

Graham Clark, M.D.  
John E. Lally, M.D.  
Howard K. Weisberg, M.D.

### **Assistant Attending Ophthalmologists:**

William Cooper, M.D. (Acting)  
John Eden, M.D.  
Lydia Perez Guardiola, M.D.  
Richard S. Kochman, M.D.  
James C. Newton, M.D.  
Wilson Starr, M.D. (Acting)

### **Chief of Ophthalmology Clinic:**

Harry Eggers, M.D.

†Deceased

## Orthopedic Surgery

### **Director of Orthopedic Surgery and Attending Orthopedic Surgeon:**

Frederick R. Thompson, M.D.

### **Consulting Orthopedic Surgeons:**

David M. Bosworth, M.D.  
Mather Cleveland, M.D.

### **Attending Orthopedic Surgeons:**

J. William Fielding, M.D.  
Edward Milton Winant, M.D.

### **Associate Attending Orthopedic Surgeon:**

Hudson Jennings Wilson, M.D.

### **Assistant Attending Orthopedic Surgeons:**

Benjamin O. Brane, M.D.  
Lawrence Mann Demarest, M.D.  
Richard G. Freeman, M.D. (Acting)  
George F. Hewson, M.D. (Acting)  
Norman A. Hill, M.D.  
Leon Katowicz, M.D.  
Henry J. Magliato, M.D.  
Robert E. Zickel, M.D.

### **Chief of Orthopedic Surgery Clinic:**

Hudson Jennings Wilson, M.D.

### **Assistant:**

William A. Liebler, M.D.



## Otolaryngology

### Director of Otolaryngology and Attending Otolaryngologist:

Stanley Whitfield, M.D.

### Consulting Otolaryngologists:

Daniel C. Baker, M.D.  
Paul H. Breuning, M.D.  
Victor C. McCuaig, M.D.  
John Ross, M.D.

### Attending Otolaryngologists:

Orrin E. Anderson, M.D.  
A. Reginald Everett, M.D.  
James C. Kirkbright, M.D.  
Ashby G. Martin, M.D.  
Duncan R. McCuaig, M.D.  
Hilton H. Stothers, M.D.

### Associate Attending Otolaryngologists:

Charles C. Harrold, M.D.  
(in Tumor Surgery)  
Thomas J. Mackie, M.D.  
Norman N. Ostrov, M.D.

### Assistant Attending Otolaryngologists:

Richard J. Bellucci, M.D.  
Samuel V. Boor, M.D.  
Arthur S. Brenner, M.D. (Acting)  
Sumner L. Freeman, M.D.  
Lachlan Mackenzie, M.D. (Acting)  
Harmon Talley Rhoads, Jr., M.D.  
(in Plastic Surgery)  
Raymond B. Strauss, M.D. (Acting)

### Chief of Otolaryngology Clinic:

Stanley Whitfield, M.D.

### Assistant:

Mavrikij P. Chester, M.D. †

## Pathology

### Director of Pathology and Attending Pathologist:

Charles F. Begg, M.D.

### Consulting Pathologists:

Virginia K. Frantz, M.D.  
Leila C. Knox, M.D.  
Rafael Lattes, M.D.  
Donald McKay, M.D.  
Leon Motyloff, M.D.  
Arthur Purdy Stout, M.D.

### Associate Attending Pathologist:

Artemis D. Nash, M.D.

### Assistant Attending Pathologists:

Harold P. Gaetz, M.D.  
George W. Munsick, M.D.

## **Pediatrics**

### **Director of Pediatrics and Attending Pediatrician:**

Stuart S. Stevenson, M.D.

### **Consulting Pediatricians:**

Harold W. K. Dargeon, M.D.  
Reginald A. Higgons, M.D.  
Frederick C. Hunt, M.D.  
Herbert F. Jackson, M.D.  
F. Elmer Johnson, M.D.  
John F. Landon, M.D.  
Gertrude H. B. Nicolson, M.D.  
Elvira Ostlund, M.D.  
Philip M. Stimson, M.D.

### **Attending Pediatricians:**

Ruth J. Cudmore, M.D.  
J. Frederick Eagle, Jr., M.D.  
Elizabeth B. Hinckley, M.D.  
Margaret H. McKee, M.D.  
Elizabeth B. Watkins, M.D.  
Leo F. Wilking, Jr., M.D.

### **Associate Attending Pediatricians:**

Maxcy Jean Smith, M.D.  
Patricia Evelyn Spier, M.D.  
Doris L. Wethers, M.D.

### **Assistant Attending Pediatricians:**

Elizabeth B. Decker, M.D.  
Carol C. Dickson, M.D.  
Judith Frank, M.D. (Acting)  
Domenick K. Galluzzo, M.D.  
Charles Ray Jones, M.D.  
Catherine Lodyjensky, M.D.  
K. Aurelia Raciti, M.D.  
Dudley Albert Roberts, M.D.  
Eleanor P. Roth, M.D.  
Sara D. Schuh, M.D. (Acting)  
Lucy H. Swift, M.D.

### **Chief of Pediatric Clinic:**

Elizabeth B. Watkins, M.D.

### **Assistants:**

Kamila Balk, M.D.  
Pedro P. Cantillo, M.D.  
Anafréd Nelson Halpern, M.D.  
Ruth Kessler, M.D.  
Ruth Waldman de Camacho, M.D.

### **Children's Cardiac Clinic:**

\*Robert B. Case, M.D. (Chief)  
\*Robert C. Atkins, M.D.  
Elvira O. Ostlund, M.D.  
\*Rene Pingeon, M.D.  
Maxcy J. Smith, M.D.  
Lucy H. Swift, M.D.

\*Assigned from Medical Service

## **Physical Medicine**

### **Director of Physical Medicine and Attending Psychiatrist:**

Shyh-Jong Yue, M.D.

### **Assistant Attending Psychiatrist**

Antonio Cocchiarella, M.D.

## **Psychiatry**

### **Director of Psychiatry and Attending Psychiatrist:**

John M. Cotton, M.D.

### **Consulting Psychiatrists:**

E. Livingston Hunt, M.D.

John McDowell McKinney, M.D.

### **Attending Psychiatrists:**

Benjamin H. Balser, M.D.

Frank J. Curran, M.D.

Henriette R. Klein, M.D.

Earl A. Loomis, M.D.

David M. MacDonald, M.D.

Bernard L. Pacella, M.D.

### **Associate Attending Psychiatrists:**

Alexander Caemmerer, Jr., M.D.

Jean Munzer, M.D.

Luis Perelman, M.D.

Harry Reiss, M.D.

Herbert Spiegel, M.D.

Samuel Finley Thomas, M.D.

Jerry M. Wiener, M.D.

Charles P. Wilson, M.D.

### **Assistant Attending Psychiatrists:**

Abraham A. Chaplan, M.D.

Ralph Colp, Jr., M.D.

Victor D'Arc, M.D.

Sam Ehre, M.D.

Alan M. Elkins, M.D.

William A. Geohegan, M.D.

Richard J. Glavin, M.D.

Jerome Haber, M.D.

Willard S. Kahn, M.D.

John A. Milici, M.D.

Robert S. Mumford, M.D.

George A. Papanek, M.D.

Dallas Pratt, M.D.

David Read, M.D.

Charles H. Richards, M.D.

Adolfo Zier, M.D.

### **Research Associates:**

Myra Hatterer, M.D.

Herbert Hendin, M.D.

Robert Shaw, M.D.

### **Adult Clinic:**

David M. MacDonald, M.D. (Chief)

### **Child Psychiatry:**

Jerry M. Wiener, M.D. (Chief)

### **Assistants:**

Thomas J. Craig, M.D.

Philip A. Ernst, M.D.

James G. Katis, M.D.

Clarice Joan Kestenbaum, M.D.

James Randall, M.D.

Charles Siegel, M.D.

Ernest A. Wacker, M.D.

Heinz Wennert, M.D.

## **Radiology**

### **Director of Radiology and Attending Radiologist:**

Nathaniel Finby, M.D.

### **Consulting Radiologists:**

Herbert F. Hempel, M.D.

Harriet McIntosh, M.D.

Rieva Rosh, M.D.

(in Radiation Therapy)

### **Attending Radiologists:**

Samuel D. Hemley, M.D.

Virginia Kanick, M.D.

Richard D. Kittredge, M.D.

Leonard M. Liegner, M.D.

(in Radiation Therapy)

### **Associate Attending Radiologists:**

Dorothy Ekstrom, M.D.

Theresa L. Siebert, M.D.

### **Assistant Attending Radiologists:**

John W. Anderson, M.D. (Acting)

Leonard Kaufman, M.D.

## **Urology**

### **Director of Urology and Attending Urologist:**

John W. Draper, M.D.

### **Consulting Urologists:**

George F. Hoch, M.D.

John A. Taylor, M.D.

### **Attending Urologists:**

Eugene L. Hoch, M.D.

Boris P. Petroff, M.D.

Constantine Photos, M.D.

### **Associate Attending Urologists:**

Waleed J. Maloof, M.D.

Russell W. Lavengood, Jr., M.D.

Joseph N. Ward, M.D.

### **Assistant Attending Urologist:**

Alfred F. Fretz, M.D.

### **Research Associate**

Michael Sierp, M.D.

### **Chief of Urology Clinic:**

Alfred F. Fretz, M.D.

## Clinical Departments—1965

### Hearing and Speech

*Director of Otolaryngology:*

Stanley Whitfield, M.D.

*Director of Hearing and Speech:*

James C. Kirkbright, M.D.

*Audiologist:*

Diana L. B. Meyer, B.S.

*Consultants in Speech:*

Jane Dorsey Zimmerman, Ph.D.

William H. Canfield, Ed.D.

*Speech Therapist:*

Paul D. Burgess, Jr., M.A.

### Laboratories

*Director:*

Charles F. Begg, M.D.

*Associate Director:*

Artemis D. Nash, M.D.

*Assistant Directors:*

Harold P. Gaetz, M.D.

George W. Munsick, M.D.

*Assistant Director*

(Bacteriology and Microbiology):

Victor Bokkenheuser, M.D.

*Assistant Director (Biochemistry):*

Louis B. Dotti, Ph.D.

*Cytologist:*

Joseph P. Schwartz, D.D.S.

### Medical Departments

*Director:*

Theodore B. Van Itallie, M.D.

### Blood Bank

*Director:*

Myron Wright, M.D.

*Consultant:*

Luis A. Amill, M.D.

*Administrative Director:*

Albert De Natale, Ph.G., Ph.C.

*Assistant Directors:*

John F. Bertles, M.D.

Fred J. Schilling, M.D.

### Cardio-Pulmonary Laboratory

*Director:*

A. L. Loomis Bell, Jr., M.D.

*Assistant Director:*

Seiichi Shimomura, M.D.

*Consultant:*

Oswald R. Jones, M.D.

### Electrocardiography

*Director:*

E. P. Childs, M.D.

### Electroencephalography

*Director:*

Charles H. Richards, M.D.

### Radioisotope Laboratory

*Director:*

Richard N. Pierson, Jr., M.D.

*Consultants in Radiotherapy:*

Richard P. Keating, M.D.

Leonard M. Liegner, M.D.

### Physical Medicine

*Director:*

Shyh-Jong Yue, M.D.

### Radiology

*Director:*

Nathaniel Finby, M.D.

*Associate Director:*

Virginia Kanick, M.D.

*Chief, Radiation Therapy Section:*

Leonard M. Liegner, M.D.

### Scientific Advisory Staff

*Consultant in Speech Therapy:*

Jane Dorsey Zimmerman, Ph.D.

*Consultant in Virology:*

James A. Baker, Ph.D.

*Associate Consultants in Biochemistry:*

Thomas A. Borgese, Ph.D.

Oswald A. Roels, Ph.D.

*Associate Consultant in Radiation Physics:*

Harald H. Rossi, Ph.D.

*Associate Consultant in Sociology:*

Emily Mumford, Ph.D.

*Associate Consultant in Speech Therapy:*

William Henry Canfield, Ed.D.

*Assistant Consultant in Physiology:*

Susanne Bennett, Ph.D.

# House Staff

## Medicine

### Chief Resident

Edward M. Dwyer, M.D.

### Fellows

Sheldon Alter, M.D.  
C. Redington Barrett, Jr., M.D.  
Airlie Cameron, M.D.  
Robert C. Campbell, M.D.  
David Chalfin, M.D.  
Rosemary A. Gellene, M.D.  
Habiba Hassan, M.D.  
Veljko Krstulovic, M.D.  
Daisy S. Lee, M.D.  
Esteban Mezey, M.D.  
Anoush Miridjanian, M.D.  
Harry A. Roselle, M.D.  
Nicholas Victor Steiner, M.D.  
Robert B. Zurier, M.D.

### Residents in Internal Medicine

Peter H. Gott, M.D.  
Ernest C. Richards, M.D.

### Senior Assistant Residents

Benjamin H. Alexander, M.D.  
Paul A. Bienstock, M.D.  
Clyde W. Chun, M.D.  
Ralph G. Oriscello, M.D.

### Junior Assistant Residents

Ralph Denson Clark, M.D.  
David S. David, M.D.  
Evelyn P. Dooley, M.D.  
Gerald A. Frank, M.D.  
Peter C. Lombardo, M.D.  
Robert J. Menegaz, M.D.  
Andrew W. Nichols, M.D.  
Edward G. Williams, Jr., M.D.

### Interns

B. Lawrence Brennan, M.D.  
Donald J. Brock, M.D.  
Thomas J. Ekkers, M.D.  
Lloyd W. Gross, M.D.  
Anthony H. Horan, M.D.  
Arie Liebeskind, M.D.  
John R. Morse, M.D.  
Robert H. Nenninger, M.D.  
Joseph P. Whalen, M.D.  
Keith M. Zinn, M.D.

## Cardiology

### Resident

Arthur J. Lennon, M.D.

## Surgery

### Residents

Randolph H. Guthrie, M.D.  
Edward K. Howard, M.D.  
John H. Hughes, M.D.  
Thomas C. Sumners, M.D.  
(in Plastic Surgery)  
Dennis Wadler, M.D.\*

### First Assistant Residents

Alan L. Rinestone, M.D.  
John J. White, Jr., M.D.

### Second Assistant Residents

Richard J. Cea, M.D.  
E. Roger Newman, M.D.  
Gabriel T. Rizzi, M.D.  
Lowell J. Rosman, M.D.

### Third Assistant Residents

Robert L. Boothe, M.D.  
Peter B. Cinelli, M.D.  
Stuart Freyer, M.D.  
Joshua M. Kaplan, M.D.  
Donald Minervini, M.D.  
Thomas O. Muldoon, M.D.  
Peter F. Salomon, M.D.  
John R. Scott, M.D.

### Interns

Thomas B. Caldwell III, M.D.  
Charles R. Kuehner, M.D.  
Keatjin Lee, M.D.  
Joseph Putignano, M.D.  
Sanford A. Ratzan, M.D.  
Lawrence F. Simon, M.D.  
George Unis, M.D.

\*On Affiliation from the Veterans' Administration Hospital

## Obstetrics and Gynecology

### Residents

Raymond H. Basora, M.D.  
 John A. Bennett, M.D.  
 Ralph J. Berardi, M.D.  
 Soon O. Chung, M.D.  
 Joshua W. Davies, Jr., M.D.  
 Romeo M. DeGracia, M.D.  
 Mona Devanesan, M.D.  
 John G. Ketterer, M.D.  
 Daryl E. Murdoch, M.D.  
 Shahrokh Naderi, M.D.  
 Warren G. Povey, M.D.  
 Miguel A. Pulido, M.D.  
 John D. Rudolph, M.D.  
 Aida A. Santos, M.D.  
 Mostafa A. Selim, M.D.  
 Martin Siegelman, M.D.  
 Theodore K. Tobias, M.D.

## Anesthesiology

### Residents

Erlinda Abalos, M.D.  
 Khurshid Channah, M.D.  
 Danilo A. Diokno, M.D.  
 Robert Chin-erh Lin, M.D.  
 Hilda H. C. Liu, M.D.  
 Tsu Chin Peng, M.D.  
 James Bernard Pollaci, M.D.  
 Anselma TanGatue, M.D.

### Assistant Residents

Delia Alonsabe, M.D.  
 Felicitas de Guzman, M.D.  
 Adeliza De La Cruz, M.D.

## Dentistry

### Residents in Oral Surgery

Kenneth R. Levy, D.M.D.  
 David P. Malkin, D.M.D.

## Dermatology

### Residents

Herbert J. Smokler, M.D.  
 Eugene W. Sweeney, M.D.

### Assistant Resident

Leon Miller, M.D.

## Ophthalmology

### Resident

Irineo P. Acacio, Jr., M.D.

### Assistant Residents

Ulises Arango, M.D.  
 Alfred R. Bonsignore, M.D.

## Orthopedics

### Resident

Paul R. Sweterlitsch, M.D.

### First Assistant Residents

Courtney W. Brown, M.D.  
 Francisco Chevres, M.D.  
 Erik A. Rosenthal, M.D.

### Second Assistant Residents

Anthony V. Carella, M.D.  
 John P. Milbauer, M.D.

## Otolaryngology

### Resident

Andrew J. Dadagian, M.D.

### Assistant Residents

Taddeo F. Laiacona, M.D.  
 Agadurappa Mahadevaiah, M.D.

## Pathology

### Resident

Kendall K. Kane, M.D.

### Second Assistant Residents

Thomas S. N. Chen, M.D.  
 James A. E. Spencer, M.D.

### Third Assistant Residents

Judith Ann Boone, M.D.  
 Sergio G. Ibarguen, M.D.  
 In Sook Kim, M.D.



## **Pediatrics**

### **Chief Resident**

Joseph A. Cannaliato, M.D.

### **Residents**

Benjamin T. Barlizo, Jr., M.D.

Paul J. Lombardi, M.D.

Donald P. Schwartz, M.D.

### **Assistant Residents**

Ronald I. Platt, M.D.

Mary Ann Radkowski, M.D.

Ina R. Serrano, M.D.

Chi-Chien Tseng, M.D.

### **Interns**

Robert J. Hobbie, M.D.

Bette-Lee Jablow, M.D.

David E. Osgood, M.D.

Tove S. Rosen, M.D.

## **Psychiatry**

### **Adult Service**

#### **Chief Resident**

John J. McCormack, M.D.

### **Fellows**

Richard C. Conroy, M.D.

Melvin Udel, M.D.

Seymour Warman, M.D.

### **Residents**

Maria G. Balsam, M.D.

Edward E. Gilmour, M.D.

Gerald Kleinerman, M.D.

Theodore B. Robbins, M.D.

Carlotta L. Schuster, M.D.

### **Child Service**

#### **Residents**

Norman V. Balinson, M.D.

Thornton Vandersall, M.D.

## **Radiology**

### **Fellow**

Nelida J. Gherdevich, M.D.

### **Residents**

Milton J. Bienstock, M.D.

Guy Moschetti, M.D.

### **First Assistant Residents**

Ronald W. Ermini, M.D.

Stephen B. Lo Curcio, M.D.

### **Second Assistant Residents**

Peter S. Chen, M.D.

Arthur S. Geller, M.D.

## **Urology**

### **Fellows**

Manuel Fernandes, M.D.

John D. Iswariah, M.D.

Ahmad Orandi, M.D.

### **Residents**

Piero O. Niceta, M.D.

Pellegrino J. Tozzo, M.D.

Rudolph D. Talarico, M.D.

### **Assistant Resident**

Albert Assali, M.D.

# Publications, by Members of St. Luke's Hospital Medical and Scientific Staffs 1964

AKBARI, AHMAD; WARD, JOSEPH N.; DRAPER, JOHN W.

A Technique for Removing the Mucosa from the Urinary Bladder. *Invest. Urol.* 1:429.

AKBARI, AHMAD joint author. See: DRAPER, JOHN W.  
WARD, JOSEPH N.

ALTCHEK, ALBERT

Renal Biopsy and its Clinical Correlation in Toxemia of Pregnancy. *Suppl. II to Circ.*, vols. XXIX and XXX, August, 1964.

Renal Biopsies in Toxemia of Pregnancy. *Transact. New England Obst. & Gyn. Soc.* 17:121.

ATHOS, WILLIAM J. joint author. See: CRAMPTON, RICHARD S.

BEGG, CHARLES F. joint author. See: FINBY, NATHANIEL

BELL, A. L. LOOMIS, JR.

Catheterization of the Left Heart by Transseptal Needle and Overlying Catheter. *Vascular Roentgenology (Arteriography-Phlebography-Lymphography)*. Edited by Robert A. Schobinger and Francis F. Ruzicka, Jr., The MacMillan Company. Pp. 117-123.

Wedge Pulmonary Arteriography. *Vascular Roentgenology (Arteriography-Plebography-Lymphography)*. Edited by Robert A. Schobinger and Francis F. Ruzicka, Jr., The MacMillan Company. Pp. 201-206.

BERGEN, STANLEY S., JR.

Appetite Stimulating Properties of Cyproheptadine. *Am. J. Diseases of Children* 108:270.

Survival of the Patient with Diabetes Mellitus in a Thermonuclear War. *N. Y. State J. Med.* 64: 2767.

BERGEN, STANLEY S., JR. joint author. See: HASHIM, SAMI A.

BLAIR, CHARLES R.; BLUMENTHAL, JESSE

Starch Peritonitis. *N. Y. State J. Med.* 64:1202.

BLASBERG, GISELA; EDMUNDS, ROBERT T.; FINBY, NATHANIEL

Effect of Cholecystokinin on the Normal Common Duct after Cholecystectomy. *Surg. Forum* 15:375.

- BLASBERG, GISELA joint author. See: FINBY, NATHANIEL.
- BLUMENTHAL, JESSE joint author. See: BLAIR, CHARLES R.
- BOSSART, PETER A.; COLETTI, LARRY  
Intestinal Obstruction during the Early Postoperative Period. Arch. Surg. 88:774.
- BOSSART, PETER A.; FITZPATRICK, HUGH F.  
Aneurysmal Bone Cyst of Rib. Arch. Surg. 88:229.
- BUCOVE, ARNOLD D.  
Postpartum Psychoses in the Male. Bull. N. Y. Acad. Med. 40:961.
- BURGER, ROBERT H.; WARD, JOSEPH N.; DRAPER, JOHN W.  
Perinephric Abscess with Gas Formation. Am. Surgeon 30:302.
- CASE, ROBERT B.  
Coronary Blood Flow and Metabolic Requirements. Cyclopedia of Med. III:125.  
Edited by William Likoff, F. A. Davis Company, Philadelphia, Pa.
- CASE, ROBERT B.; ROVEN, ROBERT B.; CRAMPTON, RICHARD S.  
Relief of High Left-atrial Pressure in Left Ventricular Failure. Lancet 2:841.  
The Benign Coronary Dilating Action of Nitroglycerin and Isosorbide Dinitrate.  
Circ., Suppl. III, 30:58.
- CASE, ROBERT B. joint author. See: NASSAR, MUNIR E.  
ROVEN, ROBERT B.
- COLETTI, LARRY joint author. See: BOSSART, PETER A.
- COLP, RALPH, JR.  
Letter on the Personality of Sacco Vanzetti. Col. Univ. Forum, Winter 1964, p. 47.
- COTTON, JOHN M.  
Patterns of Medical Care in the U.S.A. N. Y. Med. 20:565.  
Inaugural Address (as Pres. of Med. Soc. of County of N. Y.). N. Y. Med. 20:667.
- CRAMPTON, RICHARD S.  
Korotkoff Sounds. New Eng. J. Med. 270:1129.
- CRAMPTON, RICHARD S.; ATHOS, WILLIAM J.; CUSHMAN, PAUL, JR.; HILTON, JAMES G.  
Influence of Metaraminol on Adrenomedullary Secretion. Clin. Res. 12:456.
- CRAMPTON, RICHARD S. joint author. See: CASE, ROBERT B.  
NASSAR, MUNIR E.  
ROVEN, ROBERT B.
- CUSHMAN, PAUL, JR.; HILTON, JAMES G.  
Pituitary-adrenal Function during Acute Prochlorperazine Administration in the Dog. Am. J. Physiol. 207:1374.

- CUSHMAN, PAUL, JR.; DICKSON, CAROL C.; HILTON, JAMES G.  
Effects of a New Inhibitor of Cholesterol Biosynthesis on Adrenal Cortical Secretion in the Dog. *J. Clin. Invest.* 43:1270.  
Adrenal Cortical Effects of a New Cholesterol Biosynthesis Inhibitor in the Dog. *J. New Drugs* 4:223.
- CUSHMAN, PAUL, JR.; PULIDO, MIGUEL A.; HILTON, JAMES G.  
Estradiol Effects on Cortisol Secretion in Dog. *Fed. Proc.* 23:302; *Bull. N. Y. Acad. Med.* 40:75.
- CUSHMAN, PAUL, JR. joint author. See: CRAMPTON, RICHARD S.
- D'ANGELO, DANIEL A. joint author. See: FIELDING, J. WILLIAM
- DE CAPRARIIS, HUGO V.; MINAHAN, JOSEPH R.  
We Stopped Giving our Narcotics Away. *Am. J. Hosp. Pharm.* 21:366.
- DeFOREST, MARGIE joint author. See: DePALMA, RALPH G.
- DeHAAN, CLAYTON R.; STARK, RICHARD B.  
Transplantability of Large Composite Grafts Improved by Histamine Iontophoresis. *Plast. Reconstr. Surg.* 34:547.
- DeHAAN, CLAYTON R. joint author. See: STARK, RICHARD B.
- DePALMA, RALPH G.; DePALMA, M. T.; DeFOREST, MARGIE  
Experimental Alteration of the Shape of Rabbit Ear Cartilage. *J. Surg. Res.* 4:2.
- DePALMA, RALPH G.; REID, WILLIAM M., JR.; FITZPATRICK, HUGH F.  
The Relation of d-Pantothenyl Alcohol Therapy to the Resumption of Intestinal Function Postoperatively. *Am. J. Surg.* 107:813.
- DICKSON, CAROL C. joint author. See: CUSHMAN, PAUL, JR.
- DOTTI, LOUIS B.; SCHILLING, FRED J.; HASHIM, SAMI A.  
Urinary Excretion of Vanillyl Mandelic Acid (VMA) in Normal Subjects and Patients with Coronary Heart Disease. *Fed. Proc.* 23:566.
- DRAPER, JOHN W.; AKBARI, AHMAD; WARD, JOSEPH N.  
Therapeutic Problems in Urinary Infections. *So. Med. J.* 57:920.
- DRAPER, JOHN W. joint author. See: AKBARI, AHMAD  
BURGER, ROBERT H.  
WARD, JOSEPH N.
- DUBIN, MICHAEL R. joint author. See: GRIECO, MICHAEL H.
- DuBOIS, JOHN J.; HOLT, PETER R.; KURON, G. W.; HASHIM, SAMI A.; VAN ITALLIE, THEODORE B.  
Effect of Tween 80 on Cholestyramine-Induced Malabsorption. *Proc. Soc. Exp. Biol. and Med.* 117:226.

EDMUNDS, ROBERT T.; WEST, JOHN P.

Treatment of Bleeding Esophageal Varices. Five Year Comparison of Medical and Surgical Procedures. JAMA 189:854.

EDMUNDS, ROBERT T. joint author. See: BLASBERG, GISELA

EPSTEIN, WILLIAM A.

"Pure" Gonadal Dysgenesis with XO/XX Mosaicism. J. Clin. Endocrin. and Metabol. 24:811.

FIELDING, J. WILLIAM

So You Want to Make a Movie. Bull. Am. Acad. Orthop. Surg. 12:12.

Radio-Ulnar Crossed Union Following Displacement of the Proximal Radial Epiphysis. A Case Report. J. Bone and Joint Surg. 46A:1277.

Normal and Selected Abnormal Motion of the Cervical Spine from the Second Cervical Vertebra to the Seventh Cervical Vertebra Based on Cineroentgenography. J. Bone and Joint Surg. 46A:1779.

FIELDING, J. WILLIAM; ZICKEL, ROBERT E.

Pugh Nail Fixation of Displaced Intracapsular Fracture of the Femoral Neck. Surg., Gyn. and Obst. 118:1080.

Accessory Lamina: A Cause of Lumbar Nerve-Root Pressure. A Case Report. J. Bone and Joint Surg. 46A:837.

FIELDING, J. WILLIAM; KATOWICZ, LEON; D'ANGELO, DANIEL; HOGAN, M.

Open Reduction of Congenital Dislocation of the Hip. Surg., Gyn. and Obst. 119:481.

FINBY, NATHANIEL

The chapters on "Intravenous Vena Cava", "Intravenous Aortography", and "Superior Vena Cavography" in the new book by Schobinger and Ruzicka, entitled "Vascular Roentgenology".

FINBY, NATHANIEL; BEGG, CHARLES F.

Correlation Conferences in Radiology and Pathology. Osteochondritis Dissecans of the Knee. N. Y. State J. Med. 64:540.

Correlation Conferences in Radiology and Pathology. Pheochromocytoma and Neurofibromatosis. N. Y. State J. Med. 64:1010.

Correlation Conferences in Radiology and Pathology. Mucocoele of the Appendix. N. Y. State J. Med. 64:1622.

Correlation Conferences in Radiology and Pathology. Stenosing Lesion of the Anorectal Canal; a Problem in Differential Diagnosis. N. Y. State J. Med. 64:2082.

Correlation Conferences in Radiology and Pathology. Osteolysis and Pseudo-fractures of the Femur. N. Y. State J. Med. 64:2555.

Correlation Conferences in Radiology and Pathology. Intramural Diverticulosis (Rokitansky-Aschoff Sinuses) in Septate Gall Bladder. N. Y. State J. Med. 64:3006.

FINBY, NATHANIEL; BLASBERG, GISELA

A Note on the Blocking of Hepatic Excretion during Cholangiographic Study. *Gastroenterology* 46:276.

FINBY, NATHANIEL joint author. See: BLASBERG, GISELA  
HEMLEY, SAMUEL D.  
KANICK, VIRGINIA  
KITREDGE, RICHARD D.  
WILNER, HARVEY I.

FITZPATRICK, HUGH F. joint author. See: BOSSART, PETER A.  
DePALMA, RALPH G.  
NAY, HOWARD R.  
REID, WILLIAM M., JR.  
SCHWARTZ, MILES J.

GRIECO, MICHAEL H.; DUBIN, MICHAEL R.; ROBINSON, JOHN L.; SCHWARTZ, MILES J.

Penicillin Hypersensitivity in Patients with Bacterial Endocarditis. *Ann. Int. Med.* 60:204.

GRUNWALD, RONALD P.; KNOX, W. GRAHAM

Chest Wall Lung Hernia: Method of Repair Using Marlex Mesh. A Case Report. *Am. J. Surg.* 108:730.

HASHIM, SAMI A.; VAN ITALLIE, THEODORE B.

An Automatically Monitored Food Dispensing Apparatus for the Study of Food Intake in Man. *Fed. Proc.* 23:82.

Long-term Treatment of Hypercholesteremia with Cholestyramine. *Am. J. Clin. Nutr.* 14:243.

HASHIM, SAMI A.; ROHOLT, HARTVIG B.; BABAYAN, V. A.; VAN ITALLIE, THEODORE B.

Treatment of Chyluria and Chylothorax with Medium Chain Triglyceride. *New Eng. J. Med.* 270:756.

HASHIM, SAMI A.; BERGEN, STANLEY S., JR.; KRELL, KENNETH; VAN ITALLIE, THEODORE B.

Intestinal Absorption and Mode of Transport in Portal Vein of Medium Chain Fatty Acids. *J. Clin. Invest.* 43:1238.

HASHIM, SAMI A. joint author. See: DOTTI, LOUIS B.

DuBOIS, JOHN J.  
SCHILLING, FRED J.

HEMLEY, SAMUEL D.

Mitral Annulus Calcification. *Radiology* 83:464.

HEMLEY, SAMUEL D.; KANICK, VIRGINIA

Some Observations on Transcricothyroid Bronchography. *Am. J. Roentgenol., Radium Therapy and Nuclear Med.* 92:578.

HEMLEY, SAMUEL D.; KANICK, VIRGINIA; KITTREDGE, RICHARD D.; FINBY, NATHANIEL

Dissecting Aneurysms of the Thoracic Aorta: their Angiographic Demonstration. Am. J. Roentgenol., Radium Therapy and Nuclear Med. 91:1263.

HEMLEY, SAMUEL D. joint author. See: KANICK, VIRGINIA  
KITTREDGE, RICHARD D.

HENDIN, HERBERT M.

Suicide and Scandinavia. Grune & Stratton, Publishers.

HILTON, JAMES G.; KESSLER, EDWARD

Toxic Reactions to Ethacrynic Acid, a New Oral Diuretic. J. New Drugs 4:93.

HILTON, JAMES G. joint author. See: CRAMPTON, RICHARD S.  
CUSHMAN, PAUL, JR.

HOLT, PETER R.

Utilization of Glycerol-C<sup>14</sup> for Intestinal Glyceride Esterification: Studies in a Patient with Chyluria. J. Clin. Invest. 43:349.

Effect of Tween 80 on Intestinal Bile Salt Absorption *in vitro*. Proc. Soc. Exper. Biol. & Med. 117:230.

Intestinal Absorption of Bile Salts in the Rat. Am. J. Physiol. 207:1.

Dietary Treatment of Protein Loss in Intestinal Lymphangiectasia. Ped. 34:629.

HOLT, PETER R. joint author. See: DuBOIS, JOHN J.

JAVERT, CARL T.; RENNING, ELISE L.

Endometrial Cancer. A Chronologic Review of Therapy at Woman's Hospital. So. Med. J. 57:1185.

JAVERT, CARL T. joint author. See: RENNING, ELISE L.

JONES, C. RAY; BERGMAN, M.; KITTNER, P.; PIGMAN, W.

Urinary Hydroxyproline Excretion in Normal Children and Adolescents. Proc. Soc. Exper. Biol. & Med. 115:85.

Urinary Hydroxyproline Excretion in Marfan's Syndrome as Compared with Age Matched Controls. Proc. Soc. Exper. Biol. & Med. 116:931.

JONES, IRA S.

The Orbit: Annual Review of the Literature. Arch. Ophthalmol. 72:419.

JONES, IRA S. joint author. See: REESE, ALGERNON B.

KANICK, VIRGINIA; HEMLEY, SAMUEL D.; KITTREDGE, RICHARD D.; FINBY, NATHANIEL

Some Problems in the Angiographic Diagnosis of Dissecting Aneurysms of the Thoracic Aorta. Am. J. Roentgenol., Radium Therapy and Nuclear Med. 91:1283.

KANICK, VIRGINIA joint author. See: HEMLEY, SAMUEL D.  
KITTREDGE, RICHARD D.



KATOWICZ, LEON joint author. See: FIELDING, J. WILLIAM

KITTREDGE, RICHARD D.; FINBY, NATHANIEL

Lymphangiography in Obstruction. Am. J. Roentgenol., Radium Therapy and Nuclear Med. 91:444.

Intrapulmonary Effusion in Traumatic Rupture of the Spleen. Am. J. Roentgenol., Radium Therapy and Nuclear Med. 91:891.

KITTREDGE, RICHARD D.; HEMLEY, SAMUEL D.; KANICK, VIRGINIA; FINBY, NATHANIEL

The Atrophic Renal Artery. Am. J. Roentgenol., Radium Therapy and Nuclear Med. 92:309.

Retrograde Aortography: Retrospective Evaluation of its Place in the General Hospital. N. Y. State J. Med. 64:2283.

KITTREDGE, RICHARD D. joint author. See: HEMLEY, SAMUEL D.  
KANICK, VIRGINIA

KNOX, W. GRAHAM; McCABE, ROBERT E., JR.; NAY, HOWARD R.; ZINTEL, HAROLD A.; STARK, RICHARD B.

Effect of Regional Lymphatic Ablation on Kidney Homograft Survival. Am. J. Surg. 107:547.

KNOX, W. GRAHAM joint author. See: GRUNWALD, RONALD P.

KRELL, KENNETH joint author. See: HASHIM, SAMI A.

LIEGNER, LEONARD M.

Radon and Radioactive Seed Volume Implants for Extensive Recurrent Vaginal-Pelvic Cancer. Radiol. 82:786.

McCABE, ROBERT E., JR. joint author. See: KNOX, W. GRAHAM

MILLER, ROBERT E.

Pancreatic Pseudocysts in Infants and Children. Arch. Surg. 89:517.

Technic for Application of Warm Soaks. N. Y. J. Med. 64:2808.

MINAHAN, JOSEPH R. joint author. See: DE CAPRARIIS, HUGO V.

NASSAR, MUNIR E.; CASE, ROBERT B.; CRAMPTON, RICHARD S.

Relation of P-R Interval to Stroke Output. Clin. Res. 12:444.

NAY, HOWARD R.; FITZPATRICK, HUGH F.

A Study of Various Types of Superior Mesenteric Vein to Inferior Vena Cava Shunts Using Composite Vein Grafts. Bull. N. Y. Acad. Med. 40:157.

NAY, HOWARD R. joint author. See: KNOX, W. GRAHAM  
SCHWARTZ, MILES J.  
ZINTEL, HAROLD A.

PULIDO, MIGUEL A. joint author. See: CUSHMAN, PAUL, JR.

REESE, ALGERNON B.; JONES, IRA S.

Bone Resection in the Excision of Epithelial Tumors of the Lacrimal Gland. *Surgical Techniques* 71:382. Edited by Harold G. Scheie, M.D., University of Pennsylvania Hospital, Philadelphia, Pa.

REID, WILLIAM M., JR.; FITZPATRICK, HUGH F.; ZINTEL, HAROLD A.

The Treatment of Arterial Thrombi with Fibrinolysin (Thrombolysin). *Bull. N. Y. Acad. Med.* 40:159.

REID, WILLIAM M., JR. joint author. See: DePALMA, RALPH G.

REISNER, EDWARD H., JR.

Myelostimulatory Effects of Sera from Patients with Myeloproliferative Disorders in Marrow Cultures. Abstract—Xth Congress of International Society of Haematology, pp. 56-57.

RENNING, ELISE L.; JAVERT, CARL T.

Analysis of a Series of Cases of Carcinoma of the Endometrium Treated by Radium and Operation. A 40 Year Experience at Woman's Hospital. *Am. J. Obst. and Gyn.* 88:171.

RENNING, ELISE L. joint author. See: JAVERT, CARL T.

ROBINSON, JOHN L. joint author. See: GRIECO, MICHAEL H.

ROHOLT, HARTVIG B. joint author. See: HASHIM, SAMI A.

ROVEN, ROBERT B.; CASE, ROBERT B.

A Directional Catheter. *Lancet* 2:793.

ROVEN, ROBERT B.; CRAMPTON, RICHARD S.; CASE, ROBERT B.

Influence of Venous Shunts on Left Atrial Pressure in Left Ventricular Failure. *Clin. Res.* 12:192.

A Surgical Approach to the Relief of Left Ventricular Failure. *Circ., Suppl.* III, 30:149.

Beneficial Effect of Interatrial Shunt in Left Ventricular Failure. *Bull. N. Y. Acad. Med.* 40:984.

ROVEN, ROBERT B. joint author. See: CASE, ROBERT B.

SANDS, RICHARD X.

Intermittent Modified Total Fasting in the Treatment of Obstetric Obesity. *Am. J. Obst. and Gyn.* 90:885.

SCHETLIN, CHARLES F. joint author. See: SCHWARTZ, DAVID T.

SCHILLING, FRED J.; HASHIM, SAMI A.; LEONARDY, J. G.

Effect of Controlled Breakfast on Serum Cholesterol and Triglycerides. *Am. J. Clin. Nutr.* 15:1.

SCHILLING, FRED. J. joint author. See: DOTTI, LOUIS B.

- SCHWARTZ, DAVID T.; SCHETLIN, CHARLES F.; ZINTEL, HAROLD A.  
Acute Febrile Reaction to Mephenesin Carbamate. *JAMA* 190:778.
- SCHWARTZ, DAVID T.; MEYER, A.  
The Malignant Transformation of Fibrous Dysplasia. *Am. J. Med. Sci.* 247:1.
- SCHWARTZ, DAVID T.; MASON, R. C.; ZINSSER, H. H.  
The Effect of Enteronephropexy on Acute Renovascular Hypertension in the Rat.  
*Invest. Urol.* 2:203.
- SCHWARTZ, MILES J.; NAY, HOWARD R.; FITZPATRICK, HUGH F.  
Pericardial Biopsy. Abstracted in *Rev. of Surg.* 21:260. Abstracted in *Circ.* 30:145.
- SCHWARTZ, MILES J. joint author. See: GRIECO, MICHAEL H.
- STANLEY-BROWN, EDWARD G.  
Acute Appendicitis during First Five Years of Life. *Am. J. Diseases of Children* 108:134.
- STARK, RICHARD B.  
Early Versus Late Treatment of Facial Fractures. *J. Trauma* 4:158.  
Immediate Complications of Head and Neck Surgery. *Surg. Clin. N. Am.* 44:305.  
Congenital Absence of the Vagina and Other Abnormalities of the External Female Genitalia. In Converse, J. M. *Reconstr. Plastic, Philadelphia, W. B. Saunders*, 5:2075.  
Embryology of Cleft Lip and Palate. In Converse, J. M. 3:1355.  
Cleft Palate. In Converse, J. M. 3:1416.
- STARK, RICHARD B.; DeHAAN, CLAYTON R.; WASHIO, HIROSHI  
Forked Flap Collumellar Advance. *J. Cleft Palate* 1:116.
- STARK, RICHARD B.; DeHAAN, CLAYTON R.; WEATHERLEY-WHITE, ROY C. A.;  
WASHIO, HIROSHI  
Pharyngeal Flap in the Primary Treatment of Cleft Palate. *Transact. Internat. Soc. Plastic Surgeons*, 3rd Congress, Index Medicus, 1964.
- STARK, RICHARD B. joint author. See: DeHAAN, CLAYTON R.  
KNOX, W. GRAHAM
- TOVELL, HAROLD M. M.  
New Developments in the Knowledge of Reproductive Physiology and Birth Control. *N. Y. Med.* 20:478.
- VAN ITALLIE, THEODORE B. joint author. See: DuBOIS, JOHN J.  
HASHIM, SAMI A.
- VAN PRAAGH, IAN G.; JONES, J.S.P.  
Benign Fetal Sacrococcygeal Teratoma Associated with Hydramnios and Premature Labor. *Obst. and Gyn.* 23:912.
- VAN PRAAGH, IAN G.; HENDRICKS, C. H.  
The Effect of Amniotomy during Labor in Multiparas. *Obst. and Gyn.* 24:258.

- VAN PRAAGH, IAN G. joint author with HARKINS, J. L.; IRWIN, N. T.  
Clinical Evaluation of Dimenhydrinate in Labor. *Canad. Med. Assoc. J.* 91:164.
- WARD, JOSEPH N.; AKBARI, AHMAD; DRAPER, JOHN W.  
Vital Staining of Regional Lymphatics as an Adjunct in Urology. *J. Urol.* 91:107.
- WARD, JOSEPH N. joint author. See: AKBARI, AHMAD  
BURGER, ROBERT H.  
DRAPER, JOHN W.
- WASHIO, HIROSHI joint author. See: STARK, RICHARD B.
- WEATHERLEY-WHITE, ROY C. A.; PATON, B. C.; SJOSTROM, B.  
Experimental Studies in Cold Injury: 1. The Individual Response to a Standard Cold Environment. *J. Surg. Res.* 4:12.  
Experimental Studies in Cold Injury: 2. The Pathogenesis of Frostbite. *J. Surg. Res.* 4:17.
- WEATHERLEY-WHITE, ROY C. A.; DERSCH, W. C.; ANDERSON, R.  
Objective Measurement of Nasality in Cleft Palate Patients—A Preliminary Report. *Cleft Palate J.* 1:120.
- WEATHERLEY-WHITE, ROY C. A. joint author. See: STARK, RICHARD B.
- WEST, JOHN P. joint author. See: EDMUNDS, ROBERT T.
- WILNER, HARVEY I.; FINBY, NATHANIEL  
Skeletal Manifestations in the Marfan Syndrome. *JAMA* 187:490.
- ZICKEL, ROBERT E. joint author. See: FIELDING, J. WILLIAM
- ZINTEL, HAROLD A.  
Reconstruction of the Common Bile Duct. Cooper, P.: *Craft of Surgery*, Art. 75, pp. 902-913.  
Adrenalectomy. Cooper, P.: *Craft of Surgery*, Art. 103, pp. 1219-1230.
- ZINTEL, HAROLD A.; NAY, HOWARD R.  
Postoperative Complications of Radical Mastectomy. *Surg. Clin. N. Amer.* 44:313.  
Abstracted in *Obst./Gyn. Digest*, Nov. 1964.
- ZINTEL, HAROLD A. joint author. See: KNOX, W. GRAHAM  
REID, WILLIAM M., JR.  
SCHWARTZ, DAVID T.
- ZINTEL, HAROLD A. joint author with SELLERS, A. M.; BARRETT, J. S.; WOLFERTH, CHARLES C., SR.; LOPEZ R.; ITSKOVITZ, H. D.; BLAKEMORE, W. S.  
Adrenalectomy and Sympathectomy for Hypertension: Ten Year Survival. *Arch. Surg.* 89:880.

# Nursing Service Department

Mrs. Helen Umano, R.N., B.S., M.A., Director

1964 was a year of much activity in Nursing Service. In January, Mrs. Josephine Whittemore resigned as Director of Nursing Service after serving since March of 1959.

Mrs. Whittemore had effected many changes during her tenure, so that I assumed leadership of a department that was both well organized and well staffed.

Miss Joan Backus, who has served as Assistant Director of Nursing, Psychiatric Service since 1954, was appointed Assistant Director of Nursing Service.

Nursing care plans initiated on Scrymser 2, Plant 2, and Stuyvesant 7, were designed to individualize the nursing care given to each patient. By the end of the year seven units were using this approach to nursing care.

The task of developing job descriptions for all personnel was completed. Supervisors, Head Nurses, staff nurses and practical nurses had an opportunity to review and participate in the final draft of their job description.

Orientation sessions were held for Nursing personnel to familiarize them with closed cardiac massage and mouth-to-mouth resuscitation, since nurses play an important part in the Hospital's cardio-pulmonary arrest routine.

We assumed responsibility for the supervision of nursing care on the Metabolic Unit when it was relocated on Plant 3 in November. A number of nursing offices were moved elsewhere to accommodate this relocation.

Clark 7, our 56 bed Pediatric Unit was divided into two separate units in July, each with its own Head Nurse and staff. At present

there is a 34 bed medical and nursery unit and a 22 bed surgical and semi-private unit. This division provided for closer supervision of patient care.

The utility room and flower room on Scrymser 5 were remodeled to provide for more efficient use of space. Scrymser and Plant Head Nurses developed the plans for the work. This has proved to be so successful that we hope that all such areas in Scrymser can be similarly remodeled.

The major emphasis for 1965 will be the merger of the Nursing Service Department with the Nursing Department of Woman's Hospital. We are looking forward eagerly to occupying the new building and to the challenges it will bring.

We will also be concerned with the strengthening of our recruitment program for registered and practical nurses to maintain an adequate nursing staff.

# Report of the St. Luke's Hospital School of Nursing

Evelyn M. Peck, R.N., B.S., M.A., Director

The year of 1964 has been an eventful one for the faculty and the students of the School of Nursing. In September of 1964, eighty-nine young women entered the school as the Class of 1967 and became the first class under the new shortened program of instruction. The curriculum changes which took place with the admission of this class create a program which allows the integration of theoretical work and nursing practice throughout the 138 weeks. The cooperation of all concerned with the planning and implementation of the new program has been splendid and a mere "thank you" seems small but is sincerely said by the faculty and the director.

The new Maternal and Child Health Program began in October of 1964 and replaces Pediatric Nursing and Obstetric Nursing as separate courses of study. The Class of 1966 is the first class to have the new program and these students will graduate in June of 1966. The faculty and students look forward to continuing the new Maternal and Child Health Program within the new Woman's Hospital building, which will be opened in 1965.

Seventy-seven students of the Class of 1966 were capped on June 25 and seventy-four members of the Class of 1964 were graduated on September 10, in ceremonies held in the Cathedral Church of St. John the Divine. Miss Rosemary Park, President of Barnard College, Columbia University, was the guest speaker.



The average student enrollment throughout the year was 243 students. Over 2,300 inquires were answered by the registrar. However, enrollment for the freshman class was lower this year (89) than in previous years.

Scholarship aid was given to 72 students this year:

St. Luke's Hospital Scholarships (established through the generosity of friends)	40
New York State Regents Scholarships	20
Scholarships granted at high school graduations local community agencies	5
Woman's Florist Association of New York	2
Uniform Scholarships	5

Eighteen faculty members attended a total of thirty-five professional meetings as well as local, state, regional and national meetings of professional organizations.

The Faculty In-Service Program for 1964-1965 had as a guest consultant, Dr. Esther Manning Westervelt, Assistant Professor and Associate Department of Guidance and Personnel Administration, Teachers College, Columbia University.

The Faculty will continue to evaluate curriculum changes and plan for the future of the educational program at St. Luke's Hospital School of Nursing in light of the current philosophy of professional nurse preparation.

**Officers of the  
Department of Nursing  
St. Luke's Hospital Center**

*Director, Nursing Service:*

Umano, Helen, R.N., B.S., M.A.

*Associate Director, Nursing Service:*

Backus, Joan, R.N., B.S., M.A.

*Assistant Director, Nursing Service*

*Obstetrics and Gynecology:*

Collier, Gwendoline, R.N., B.S.

*Administrative Assistant to*

*Director of Nursing:*

Fitzpatrick, Myrtle W., R.N.

*Administrative Assistant, Staffing:*

Jennings, Eileen, R.N.

*Administrative Assistant, Staffing*

*Supervisor, Gynecology:*

Javier, Felicidad, R.N., B.S., M.A.

*Administrative Assistant,*

*Auxiliary Personnel:*

Hunt, Anne, R.N., B.S., M.A.

*Coordinator,*

*Exchange Visitor Program:*

Weed, Marcia, R.N., B.S., M.A.

*Coordinator,*

*Inservice Education:*

Reardon, Dorothy, R.N., B.S.

*Administrative Supervisor,*

*Nursing, Evening:*

Moor, Dorothy, R.N.

*Administrative Supervisor,*

*Nursing, Night:*

Hoskin, Margaret, R.N.

*Supervisor of Nursing,*

*Private Patients:*

Hamilton, Dorothy, R.N.

Ahern, Loretta, R.N., B.S.

*Supervisor, Pediatric Patients*

Aber, Cynthia, R.N., B.S.

*Head Nurse, Ward Nurseries*

Arnott, Mary, R.N.

*Assistant Supervisor of Nursing,*

*Private Patients*

Benford, Helen, R.N.

*Head Nurse, EENT Patients*

Bennetta, Linda, R.N., B.S.

*Head Nurse, Private Patients*

Bottinger, Dorothy, R.N.

*Head Nurse, Surgical Ward Patients*

Brewer, Frances H., R.N., B.A., M.A.

*Supervisor,*

*Nursing Equipment Department*

Cacace, Sandra, R.N.

*Head Nurse, Metabolic Patients*

Cheu, Cynthia, R.N.

*Supervisor, Psychiatric Patients*

Clayton, Dolores, R.N.

*Assistant Supervisor*

*of Nursing, Night*

Cooper, Velda, R.N.

*Assistant Administrative*

*Supervisor, Evening*

Coffman, Arden, R.N.

*Assistant Supervisor*

*of Nursing, Evening*

Daury, Marie, R.N.

*Head Nurse, Pediatric,*

*Medical and Nursery Patients*

Deakin, Mary, R.N.

*Head Nurse, Gynecological*

*Recovery Room*

Dietz, Ruth, R.N., B.S.

*Assistant Coordinator,*

*Exchange Visitor Program*

Dodge, Beverly, R.N., B.S.

*Supervisor, Surgical Specialties*

Eckert, Nancy, R.N.

*Head Nurse, Medical Patients*

Edwards, Barbara, R.N.  
*Assistant Supervisor  
of Nursing, Evening*

Essenfeld, Margaret, R.N.  
*Assistant Supervisor  
of Nursing, Private Patients*

Feihn, Carol, R.N.  
*Head Nurse, Medical Patients*

Fraser, Alice, R.N., B.S., M.A.  
*Head Nurse, Intensive Care Unit*

Fyfe, Jean, R.N.  
*Head Nurse, Semi-Private Patients*

Geyer, Audrey, R.N.  
*Head Nurse, Medical Patients*

Gidley, Leena, R.N.  
*Head Nurse, Private Patients*

Gobert, Adele, R.N.  
*Head Nurse, Private Obstetrics*

Goldberg, Renee, R.N.  
*Assistant Supervisor  
of Nursing, Evening*

Goldenman, Ruth, R.N., B.S.  
*Head Nurse, Semi-Private Patients*

Gonzalez, Maria, R.N.  
*Head Nurse, Private Surgery*

Hanna, Patricia, R.N.  
*Head Nurse,  
Orthopedic Ward Patients*

Hanson, Joan, R.N., B.S.  
*Instructor, Operating Room,  
Exchange Visitor Program*

Haslup, Martha W., R.N., B.S., M.A.  
*Supervisor, Medical Services*

Hausaman, Ethel, R.N.  
*Head Nurse, Private Patients*

Havinga, Johanna, R.N., B.S., M.A.  
*Supervisor of Nursing, Nurseries*

Horton, Loretta, R.N.  
*Head Nurse,  
Delivery Room, Night*

Jacoby, Louise, R.N.  
*Assistant Supervisor  
of Nursing, Night*

Jones, Elizabeth, R.N.  
*Head Nurse,  
Surgical Ward Patients*

Karl, Anne, R.N.  
*Head Nurse, Emergency Room*

Latham, Winifred, R.N., B.S.  
*Assistant Coordinator,  
Inservice Education*

Lathrop, Mary, R.N.  
*Assistant Supervisor of Nursing, Night*

Lawrence, Averil, R.N.  
*Supervisor, Operating Room*

Lopez, Angela, R.N.  
*Head Nurse, Delivery Room*

Mannier, Marianne, R.N.  
*Head Nurse,  
Urology Patients, Evening*

Martin, Leona, R.N.  
*Head Nurse, Private Nurseries*

Mawhinney, Patricia, R.N., B.S.  
*Assistant Supervisor of Nursing, Evening*

McGonagle, Grace, R.N.  
*Head Nurse, Semi-Private Patients*

Mirambell, Judith, R.N.  
*Assistant Supervisor of Nursing, Evening*

Morgan, Dorothy, R.N.  
*Head Nurse, Ward Surgery*

Odland, Barbara, R.N.  
*Head Nurse,  
Columbia University Infirmary*

Oothout, Gertrude, R.N.  
*Head Nurse, Semi-Private Patients*

Pearce, Edith, R.N., B.S.  
*Head Nurse, Recovery Room*

Periera, Hilda, R.N., B.S.  
*Supervisor of Nursing,  
Operating Room*

Perkins, Mary, R.N., B.A.

*Supervisor, Day Relief*

Ramsay, Annie, R.N.

*Head Nurse, Private Patients*

Ruffin, Lula, R.N., B.S., M.A.

*Supervisor of Nursing, Obstetrics*

Savage, Lois, R.N.

*Head Nurse, Private Patients*

Sears, Marjorie, R. N.

*Head Nurse, Private Patients*

Sinclair, Margaret, R.N.

*Assistant Supervisor of Nursing, Night*

Sudol, Lorraine, R.N., B.S.

*Supervisor, Surgical Patients*

Sweeney, Edith, R.N.

*Assistant Supervisor of Nursing, Night*

Tames, Brenda, R.N.

*Head Nurse, Semi-Private Patients*

Viola, Andrea, R.N.

*Head Nurse, Surgical Ward Patients*

Wallace, Cynthia, R.N.

*Assistant Supervisor of Nursing, Night*

Weisberger, Margaret, R.N.

*Head Nurse, Psychiatric Patients*

Wilcke, Inge, R.N., B.S.

*Head Nurse, Semi-Private Patients*

Wolfe, Susanne, R.N., B.S.

*Head Nurse, Semi-Private Patients*

Zeilman, Helen, R.N.

*Head Nurse, Pediatric, Surgical and  
Semi-Private Patients*

Zick, Evelyn, R.N.

*Assistant Supervisor of Nursing, Night*

**Faculty and  
Administrative Staff  
St. Luke's Hospital  
School of Nursing—1964**

*Director:*

Evelyn M. Peck, R.N., B.S., M.A.

*Associate Director:*

Jane L. Redmond, R.N., B.S., M.A.

Vivian J. Ahl, R.N., B.S., M.A.

*Instructor, Non Clinical Nursing,  
Coordinator Community Activities*

Billie Arbuckle, R.N., B.S.

*Nursing Instructor*

Lillian K. Aure, R.N., B.S.

*Assistant Nursing Instructor,  
Maternal and Child Health*

Frances Lee Avella, R.N., B.S., M.A.

*Nursing Instructor*

Myra S. Balinson, B.S., M.A.

*Clinical Psychologist and  
Psychology Instructor*

Marieanne P. Blake, R.N., B.S.

*Assistant Nursing Instructor*

Barbara A. Buczny, R.N.

*Assistant Nursing Instructor*

Agnes J. Brown, R.N., B.S., M.A.

*Nursing Instructor*

Ruth Dittmar, B.A., R.N., M.A., M.S.

*Science Instructor*

Anne E. Dondero, R.N., B.S.

*Instructor, Maternal and Child Health*

Helen Ferguson, R.N., A.A.

*Assistant Nursing Instructor, Night*

Harriett Knowlton, R.N., B.S.

*Instructor, Maternal and Child Health*

Margaret Kozlowski, R.N.

*Operating Room Instructor*

Mary S. Lannon, R.N., B.A., M.S.

*Supervisor, Student Health Service*

Janice D. Lomazoff, R.N., B.S.

*Assistant Nursing Instructor*

Alice M. Martin, R.N., B.S., M.A.

*Science Instructor*

Aline T. Miller, R.N., B.S.

*Assistant Science Instructor*

Joan Valerie Munroe, R.N.

*Assistant Nursing Instructor*

Jeannine Pehrul, B.S.

*Teaching Nutritionist*

Carol Pieper, B.S.

*Social and Recreational Director*

Eleanor M. Pise, R.N., B.S., M.A.

*Registrar*

Jack Sacher, A.B., M.A.

*Director, Musical Activities*

Julianne Scott, R.N., B.S.

*Assistant Nursing Instructor  
Maternal and Child Health*

Gladys E. Swenson, B.A.

*Librarian*

Hilda K. Titus, R.N., B.S.

*Assistant Nursing Instructor*

Carrie C. Wacker, B.S., R.N.

*Assistant Nursing Instructor*

Judith K. Waitkus, R.N.

*Assistant Nursing Instructor, Evening*

### **Alumnae Association of St. Luke's Hospital School of Nursing—1965**

*President:*  
Frances Billings

*Corresponding Secretary:*  
Barbara Menzel

*Vice-President:*  
Cynthia Wallace

*Treasurer:*  
Ruth Dittmar

*Recording Secretary:*  
Lois Savage

*Assistant Treasurer:*  
The Hanover Bank

### **Woman's Hospital Nurses' Alumnae Association, Inc.**

*President:*  
Mrs. George H. Cobham

*Secretary:*  
Miss Lilla Mews

*Treasurer:*  
Mrs. Joseph M. Grohol

### **Society of the Alumni of St. Luke's Hospital**

*President:*  
Edward M. Winant, M.D.

*Secretary:*  
Charles R. Blair, M.D.

*Vice-President:*  
Francis G. Geer, M.D.

*Treasurer:*  
Eugene L. Hoch, M.D.

### **Woman's Hospital Society**

*President:*  
Leonard L. Hyams, M.D.

*Secretary:*  
William B. Bell, M.D.

*Treasurer:*  
John S. Aldridge, M.D.





# Auditor's Report

To the Board of Trustees  
St. Luke's Hospital  
New York, New York

We have examined the balance sheet of St. Luke's Hospital as of December 31, 1964, and the related statement of income and expense for the year then ended. Our examination was made in conformity with generally accepted auditing standards and accordingly included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances.

All securities owned by the hospital at December 31, 1964 were held by the Manufacturers Hanover Trust Company as custodian. We received a certified schedule of the investments so held from this trust company, and verified that the securities listed were in agreement with the details of investments shown by the records of the hospital as of that date. Income from interest, dividends and rents for the year under review are stated as shown in the records of the custodian.

In our opinion, subject to the foregoing, the accompanying balance sheet and statement of income and expense, together with footnotes, fairly present the financial position of St. Luke's Hospital at December 31, 1964 and the results of its operations for the year then ended, in accordance with generally accepted accounting principles applied on a basis consistent with that of the preceding year.

MacNICOL, JOHNSON & CO.  
Certified Public Accountants

New York, New York  
May 17, 1965

# St. Luke's Hospital

Comparative Balance Sheet as of December 31, 1964 and December 31, 1963

## ASSETS

	1964	1963
<b>General Fund</b>		
Cash in banks and on hand .....	\$ 65,615.23	\$ 66,433.42
Accounts receivable:		
Due from patients .....	\$ 2,324,236.18	\$ 2,167,141.42
Less: Allowance for uncollectible accounts .....	544,499.54	487,066.31
Due from patients—net .....	\$ 1,779,736.64	\$ 1,680,075.11
Due from Blue Cross plans .....	224,996.29	242,536.43
Due from City of New York .....	325,431.24	583,312.74
Miscellaneous accounts receivable .....	82,324.49	48,867.81
Inter-hospital accounts receivable or (payable) .....	(15,643.73)	(10,693.19)
Total Accounts Receivable, less Allowance for Uncollectible Accounts .....	\$ 2,396,844.93	\$ 2,544,098.90
Investments .....	12,289.75	20,681.24
Inventories of supplies .....	214,010.42	214,093.12
Prepaid expenses .....	114,021.44	96,831.35
Construction and plant rehabilitation in progress .....	113,702.90	142,877.53
Total .....	\$ 2,916,484.67	\$ 3,085,015.56
<b>Unrestricted Reserve Fund</b>		
Cash in bank .....	\$ 157,980.71	\$ 136,474.74
Investments .....	3,389,862.25	2,265,187.87
Total .....	\$ 3,547,842.96	\$ 2,401,662.61
<b>Endowment Funds</b>		
General and Restricted Endowment Funds:		
Cash in bank .....	\$ 71,629.77	\$ 65,716.33
Investments .....	22,244,294.16	21,762,553.49
Total .....	\$22,315,923.93	\$21,828,269.82
Less: Temporary funds' undivided interest .....	347,841.48	368,219.80
Net Assets .....	\$21,968,082.45	\$21,460,050.02
The A. Van Horne Stuyvesant Memorial Fund:		
Cash in bank .....	\$ 2,021.03	\$ 3,286.34
Investments .....	5,713,019.94	5,690,037.78
Building and equipment—Stuyvesant Pavilion (Less accumulated depreciation) .....	2,884,122.28	2,992,724.20
Total .....	\$ 8,599,163.25	\$ 8,686,048.32
Total .....	\$30,567,245.70	\$30,146,098.34
<b>Temporary Funds for Designated Purposes</b>		
Cash in bank .....	\$ 819,662.49	\$ 308,955.00
Investments .....	229,231.61	226,486.05
Undivided Interest in Endowment Funds Assets .....	347,841.48	368,219.80
Due from General Fund .....	300,000.00	400,000.00
Total .....	\$ 1,696,735.58	\$ 1,303,660.85
<b>Dual Century Fund</b>		
Cash in banks .....	\$ 404,327.99	\$ 929,147.28
Investments .....	37,009.12	311,215.83
Pledges receivable .....	650,007.78	1,387,322.52
Construction in progress .....	6,528,532.12	3,256,173.93
Total .....	\$ 7,619,877.01	\$ 5,883,859.56
<b>Plant Fund</b>		
Cash .....	\$ 8,554.05	\$ —
Investments .....	930,156.25	—
Hospital properties and equipment (Less accumulated depreciation) .....	10,764,599.52	11,118,019.31
Total .....	\$11,703,309.82	\$11,118,019.31
<b>TOTAL ASSETS</b> .....	<u>\$58,051,495.74</u>	<u>\$53,938,316.23</u>

# Balance Sheet

Comparative Balance Sheet as of December 31, 1964 and December 31, 1963

## LIABILITIES AND FUND BALANCE

	1964	1963
<b>General Fund</b>		
Accounts payable .....	\$ 419,250.53	\$ 431,383.97
Accrued salaries payable .....	210,692.85	285,514.89
Payroll taxes withheld and accrued .....	135,436.98	171,063.44
Due to Temporary Funds for Designated Purposes .....	300,000.00	400,000.00
Other liabilities .....	54,881.08	59,662.49
<i>Total Liabilities</i> .....	<u>\$ 1,120,261.44</u>	<u>\$ 1,347,624.79</u>
Unexpended balance of The Ford Foundation Grant .....	15,713.14	20,944.14
Unexpended balance of special appropriations .....	11,625.51	289,485.85
General Fund balance .....	1,768,884.58	1,426,960.78
<i>Total</i> .....	<u>\$ 2,916,484.67</u>	<u>\$ 3,085,015.56</u>
 <b>Unrestricted Reserve Fund</b>		
Principal .....	\$ 3,547,842.96	\$ 2,401,662.61
 <b>Endowment Funds</b>		
General and Restricted Endowment Funds:		
Principal		
General Endowment Funds .....	\$12,040,013.48	\$13,227,460.00
Restricted Endowment Funds .....	9,928,068.97	8,232,590.02
<i>Total</i> .....	<u>\$21,968,082.45</u>	<u>\$21,460,050.02</u>
The A. Van Horne Stuyvesant Memorial Fund		
Principal		
Total .....	\$ 8,599,163.25	\$ 8,686,048.32
<i>Total</i> .....	<u>\$ 8,599,163.25</u>	<u>\$ 8,686,048.32</u>
<i>Total</i> .....	<u>\$30,567,245.70</u>	<u>\$30,146,098.34</u>
 <b>Temporary Funds for Designated Purposes</b>		
Unexpended income from Restricted Endowment Funds .....	\$ 233,066.87	\$ 213,036.57
Unexpended donations for designated purposes .....	1,463,668.71	1,090,624.28
	<u>\$ 1,696,735.58</u>	<u>\$ 1,303,660.85</u>
 <b>Dual Century Fund</b>		
Due to Woman's Hospital Unrestricted Reserve Fund .....	\$ 1,550,000.00	\$ 200,000.00
Dual Century Fund Reserve .....	6,069,877.01	5,683,859.56
<i>Total</i> .....	<u>\$ 7,619,877.01</u>	<u>\$ 5,883,859.56</u>
 <b>Plant Fund</b>		
Loans payable .....	\$ 500,000.00	\$ 525,000.00
Plant capital .....	11,203,309.82	10,593,019.31
<i>Total</i> .....	<u>\$11,703,309.82</u>	<u>\$11,118,019.31</u>
<b>TOTAL LIABILITIES AND FUND BALANCES</b> .....	<u>\$58,051,495.74</u>	<u>\$53,938,316.23</u>

# St. Luke's Hospital

General Hospital in New York

## Comparative Statement of Income and Expenses for the Years Ending December 31, 1964 and December 31, 1963

	1964	1963
<b>Net Operating Income</b> .....	<u>\$10,148,235.28</u>	<u>\$ 9,285,150.16</u>
<b>Operating Expenses</b>		
Salaries, wages and fees .....	8,624,647.91	7,726,558.55
Supplies, expenses and food .....	3,652,946.76	3,332,633.23
Recovery of expenses (deducted) .....	(243,772.32)	(252,235.60)
Net Operating Expenses .....	<u>12,033,822.35</u>	<u>10,806,956.18</u>
Net Operating Loss .....	<u>1,885,587.07</u>	<u>1,521,806.02</u>
<b>Supplementary Income</b>		
Income from Investments of:		
General Endowment Fund .....	653,851.02	524,604.90
Unrestricted Reserve Fund .....	115,661.52	92,472.90
The A. Van Horne Stuyvesant Memorial Fund .....	316,009.01	301,170.84
Unexpected donations for designated purposes .....	3,865.47	3,816.32
Income from various trusts estates .....	81,436.98	67,647.38
United Hospital Fund .....	22,130.00	35,174.00
Greater New York Fund .....	34,689.00	57,691.00
Appropriated from temporary funds for designated purposes .....	272,386.40	256,625.79
Appropriated from unexpended special appropriations .....	164,647.43	229,185.12
Donations for general purposes .....	142,162.82*	111,714.52*
Annual subscription for support of beds .....	12,500.00	12,500.00
Hospitality Shop, net profit (loss) .....	(2,761.62)	(6,614.08)
Net profit or (loss) on sale of securities .....	(410.29)	535.91
Social Service Department Income:		
Appropriated from temporary funds for designated purposes .....	21,307.97	19,230.16
United Hospital Fund .....	3,400.00	4,695.00
Greater New York Fund .....	15,264.00	19,742.00
Donations, dues and miscellaneous .....	15,225.99	27,300.91
Total Supplementary Income .....	<u>1,871,365.70</u>	<u>1,757,492.67</u>
Profit before Non-Operating Expenses .....	<u>(14,221.37)</u>	<u>235,686.65</u>
<b>Non-Operating Expenses</b>		
Public relations and appeal for funds .....	76,137.24	62,333.79
Profit before Provision for Depreciation .....	<u>(90,358.61)</u>	<u>173,352.86</u>
<b>Provision for Depreciation</b>		
Depreciation of buildings .....	318,555.94	315,632.02
Depreciation of equipment .....	238,416.69	229,275.52
Total Provision for Depreciation .....	<u>556,972.63</u>	<u>544,907.54</u>
Excess of Expenses over Income for the Year .....	<u>\$ 647,331.24</u>	<u>\$ 371,554.68</u>

\* During the years 1964 and 1963, donations for general purposes in the amount of \$19,635.00 and \$19,753.00 respectively, received by the General Hospital, were allocated to the Woman's Hospital by action of the Board of Trustees.

# St. Luke's Hospital

## General Hospital and Convalescent Hospital Condensed Statement of Income and Expenses for the Year Ended December 31, 1964

	General Hospital New York	Convalescent Hospital Greenwich, Conn.	Total
<b>Operating Income</b>			
Income from Patients:			
Private patients .....	\$ 2,418,965.12	\$ —	\$ 2,418,965.12
Semi-private patients .....	3,068,162.89	—	3,068,162.89
Ward patients .....	3,364,868.49	60,930.61	3,425,799.10
Psychiatric patients .....	433,003.51	—	433,003.51
Referred patients .....	245,539.66	—	245,539.66
Out-patient departments .....	559,737.82	—	559,737.82
Income from Patients .....	\$10,090,277.49	\$ 60,930.61	\$10,151,208.10
Deduct—Provision for uncollectible accounts .....	200,000.00	1,300.00	201,300.00
Net Income from Patients .....	\$ 9,890,277.49	\$ 59,630.61	\$ 9,949,908.10
<b>Other Operating Income</b>			
Training school fees .....	\$ 52,158.77	\$ —	\$ 52,158.77
Recoveries on accounts written off .....	2,336.37	—	2,336.37
Discount on purchases .....	20,294.84	18.75	20,313.59
Sales of materials, supplies and scrap .....	6,058.34	456.15	6,514.49
Rents and commissions .....	29,255.34	240.00	29,495.34
Services charged to research grants .....	132,723.68	—	132,723.68
Miscellaneous .....	15,130.45	2,815.54	17,945.99
Total Other Operating Income .....	\$ 257,957.79	\$ 3,530.44	\$ 261,488.23
Net Operating Income .....	\$10,148,235.28	\$ 63,161.05	\$10,211,396.33
<b>Operating Expenses</b>			
Professional care of patients—general and nursing .....	\$ 3,903,753.67	\$ 97,507.06	\$ 4,001,260.73
Special service departments .....	2,118,421.28	20,601.09	2,139,022.37
Out-patient department .....	432,197.03	—	432,197.03
Social Service department .....	144,596.83	—	144,596.83
Dietary department .....	1,140,388.11	50,305.62	1,190,693.73
Housekeeping department .....	499,134.38	20,177.58	519,311.96
Laundry and linen room .....	404,119.31	6,902.53	411,021.84
Maintenance of personnel .....	248,743.23	—	248,743.23
Maintenance and operation of plant and general equipment .....	1,218,179.24	47,404.23	1,265,583.47
Administration and general .....	2,168,061.59	60,065.44	2,228,127.03
Real estate and personal property taxes .....	—	18,532.22	18,532.22
Recovery of expenses (deducted) .....	(243,772.32)	(6,953.74)	(250,726.06)
Net Operating Expenses .....	\$12,033,822.35	\$ 314,542.03	\$12,348,364.38
Net Operating Loss .....	\$ 1,885,587.07	\$ 251,380.98	\$ 2,136,968.05
<b>Supplementary Income</b> .....	1,871,365.70	206,615.61	2,077,981.31
Profit (Loss) Before Non-Operating Expenses .....	\$ (14,221.37)	\$ (44,765.37)	\$ (58,986.74)
<b>Non-Operating Expenses</b> .....	76,137.24	—	76,137.24
Profit (Loss) Before Provision for Depreciation .....	\$ (90,358.61)	\$ (44,765.37)	\$ (135,123.98)
<b>Provision for Depreciation</b>			
Depreciation of buildings .....	\$ 318,555.94	\$ 14,314.38	\$ 332,870.32
Depreciation of equipment .....	238,416.69	7,925.81	246,342.50
Total Provision for Depreciation .....	\$ 556,972.63	\$ 22,240.19	\$ 579,212.82
Excess of Expenses over Income for the Year .....	\$ 647,331.24	\$ 67,005.56	\$ 714,336.80

# Our Benefactors . . .

The following pages list the names of many of the generous friends of the Hospital who have contributed to the support of the various special needs of St. Luke's. Benefactors of one hundred dollars or more are listed by name. While space does not permit the listing of the many more contributors of gifts of smaller amounts, our appreciation is nonetheless great. That St. Luke's has been able to maintain its high standards of patient care is due largely to the continued interest and loyalty of all contributors. The Board of Trustees, on behalf of the professional staffs and all the Hospital personnel gratefully acknowledges this financial assistance.

Note | Due to limited space we are unable to list the names of 2,227 donors who contributed amounts less than \$100. | Contributors to the Dual Century Fund during the years 1961 through 1964 are listed in the Annual Report issue of the St. Luke's Quarterly Journal.

## Gifts for General Purposes—1964

Gifts of \$1,000 and Over .....	6
Gifts of \$500 to \$1,000 .....	3
Gifts of \$200 to \$500 .....	11
Gifts of \$100 to \$200 .....	25
Gifts of \$50 to \$100 .....	36
Gifts Under \$50 .....	1,161
Total Number of Donations ....	1,242
Total Amount Contributed .....	\$47,073.14

## Memorial Gifts

### GIFTS WERE GIVEN IN MEMORY OF THE FOLLOWING:

Mr. Harold Aborn  
 Charles Auer, M.D.  
 Mrs. F. Huntington Babcock  
 Ralph L. Barrett, M.D.  
 Marian Mason Bell  
 William H. Berry, M.D.  
 Mr. Kenneth Boardman  
 Mrs. Ethel Boothe  
 Mr. James Brisbane  
 Mr. Arthur H. Bunker  
 Mr. Bernard Collins  
 Reginald Conklin, M.D.  
 Mrs. Elizabeth Connor  
 Miss Mary Bowers Coppel  
 Mrs. Lincoln Cromwell  
 Miss Anna M. Dahlem  
 Mr. Arthur De Natale  
 Marie De Lucchi  
 Mrs. Maria Antonia De Paola  
 Mrs. Mabel Detmold  
 Mrs. Becky Dichter  
 Mary A. Dix  
 John Douglas, M.D.  
 Mr. Frederick H. Ecker  
 Mrs. Judith Englander  
 Lucia Giannola  
 Col. Walter Giblin  
 Mr. Walter Gibson  
 William H. Glafke, M.D.  
 George Goodwin, M.D.  
 Mr. Isidore Gottlieb  
 Miss Janet Gustafson  
 David R. Hays, Sr.  
 Mrs. John H. Heminway  
 Mr. Rudolph Hesse  
 Charles Hochberg, M.D.  
 Mrs. Mary Hollander  
 Ralph Hurd, M.D.  
 Mr. Frederick Ives  
 Mrs. Rose Kanarek  
 John H. Keating, Sr., M.D.  
 Mrs. Adele Follmer Kelly  
 Frederick Knowles, M.D.  
 Marion A. Lemon  
 The Rev. Arthur V. Litchfield  
 Muriel Lowe  
 Mrs. Mary Wallace MacGregor

Walton Martin, M.D.  
 Margaret Anna McAllister  
 Ryan Jenkins McGrory  
 Mrs. Winnie McMann  
 Mrs. Petrus Meyeringh  
 Mrs. Alice Minor  
 Harold A. Mixsell, M.D.  
 Mrs. Nelle Moore  
 Mr. George H. Murchinson  
 Mrs. Anna Newman  
 Mrs. Nathaniel R. Norton  
 Mr. James E. O'Brien  
 Mrs. Marie Osbun  
 Mr. Charles Ott  
 Mrs. Leonie Penin  
 Karen Powers  
 Mrs. Kate Reavis  
 Mr. Curt H. Reisinger  
 Mr. J. Gould Remick  
 Mrs. Edwin Sanderson Reynolds  
 Mr. Leonard Rizzuti  
 Mr. William A. Robins  
 Beverly Robinson, M.D.  
 Miss Juanita S. Rosenbaum  
 Miss Laura E. Rudolf  
 Mrs. Elizabeth Van Leer Sharp  
 Mr. Louis Shenkman  
 Mr. Walter W. Stake  
 Colonel Francis F. Steers  
 Mrs. John E. Stevens  
 Mr. William Sturgis  
 Mr. Edwin S. S. Sunderland  
 Mr. John D. C. Towne, Jr.  
 Mrs. John D. C. Towne, Sr.  
 Mr. Jacobus C. Trotman  
 Mrs. Adrienne R. Vanderbilt  
 Mr. Leroy Van Holsen, Sr.  
 Mrs. Robert F. Wagner  
 Mr. Arthur Walters  
 Donald Campbell Walton, M.D.  
 Mr. Benjamin Weiner  
 Bessie Wessels  
 Mrs. Betty Wiegand  
 Mrs. Bertha Wilhelm  
 Frederick H. Wilke, M.D.  
 Marie Josephine Wolfe  
 Mrs. Myron Wright, Sr.



# Contributors to General and Special Funds 1964

## **\$1,000 and Over**

Ackerman Memorial Fund, G. A.  
 Adams, Miss Helen M.  
 Alexander, Mr. Douglas H.  
 American Cancer Society  
 American Heart Association  
 Anonymous (4)  
 Arthritis and Rheumatism Foundation, Inc.  
 Babcock Foundation, Inc., Mary Reynolds  
 Baker, Mr. J. Stewart  
 Benner, Estate of Charlotte H.  
 Bingham, Mrs. Harry Payne  
 Bingham, Mr. Harry P., Jr.  
 Blagden, Mrs. A. S.  
 Blum, Mr. and Mrs. Robert E.  
 Bostwick, Mr. Albert C.  
 Bradley, Mr. F. Kenneth  
 Brown, Mr. R. Y.  
 Bunker, Estate of Mr. Arthur H.  
 Bunker, Mrs. Arthur H.  
 Cartwright, Mr. W. Aubrey  
 Chisholm, Mrs. Hugh J.  
 Church Committee  
 Clark Foundation, Robert Sterling  
 Class of 1964  
 Clemens Fund, Inc., Marie Heye  
 Coe, Mr. George  
 Coleman, Mr. John A.  
 Conroy, Mrs. William H.  
 Corey, Mrs. Alan L., Jr.  
 Cromwell, Mr. Jarvis  
 Draper, John W., M.D.  
 Dunlap, Mr. Charles E.  
 Eberstadt, Mr. and Mrs. F.  
 Fraser, Robert W., M.D.  
 Garver, Mr. Chauncey B.  
 Geigy Pharmaceuticals  
 Giblin, Mrs. Walter M.  
 Goelet, Mr. Robert  
 Goldsmith Trust, Carolyn Lathrop  
 Grace Institute of New York  
 Grace, Mrs. W. R.  
 Haddock, Mrs. Harry B.  
 Harrower, Mr. and Mrs. Gordon  
 Health Research Council of New York  
 Health Research Inc.  
 Holloway, Mrs. William G.  
 Holmes Foundation, Inc.  
 Holmes, Mrs. Jane A.  
 Huber Foundation  
 Ives Laboratories  
 Ives, Mr. and Mrs. Kenneth A.  
 Jenks, Mrs. Charlotte W.  
 Leland Trust For Charitable Purposes,  
     Maude A.  
 Lever Brothers Co.  
 Life Insurance Medical Research  
 Lloyd Brothers, Inc.  
 Mallinckrodt Pharmaceuticals  
 Manton Fund, The Hattie D.  
 Mase, Mr. Stanley  
 Merck and Co. Inc.  
 Merck, Sharp & Dohme Research  
     Laboratories  
 Merrill Trust, The Charles E.  
 Metachem, Inc.  
 Michel, Mr. and Mrs. Clifford W.  
 Milbank Foundation, The Dunlevy  
 New York Heart Association  
 New York Tuberculosis & Health  
     Association  
 Nicholas, Mr. George III  
 Norfleet, Miss Grizeile  
 Nutrition Foundation  
 Paine, Mrs. A. G., Jr.  
 Parker Charitable Trust, The Minnie  
 Patullo, Mr. George  
 Phipps, Mr. and Mrs. Howard W.  
 Physicians Products Co., Inc.  
 Prentice, Mrs. Clarence C.  
 Riker, Mrs. Mary J.  
 St. Andrew's Convalescent Hospital  
 Schieffelin, Mr. William J.  
 Schweckendieck Trusts, Edith M.  
 Scott Trust, George H.  
 Sloan, Mr. Clifford  
 Smith, Dr. and Mrs. Herbert J.  
 Squibb & Sons, E. R. (Olin Division)  
 Stetson, Mrs. Eugene W.  
 Stevens, Mr. John E.  
 Stony Wold Corporation  
 Stout, Mr. A. Varick  
 Strasburger Memorial Medical  
     Foundation, The Irwin  
 Sturgis, Mrs. Loretta H.  
 Switzer Foundation  
 Swords, Mr. and Mrs. Jacquelin  
 Talcott Fund, Inc., James  
 Thomas, Samuel F., M.D.  
 Treadwell, Brig. and Mrs. John W. F.  
 Trinity Church

Upjohn Company  
 Vander Poel, Mr. and Mrs. W. H.  
 Whitehall Foundation, Inc.  
 Whitney, Mr. Morgan  
 Whiton, Mr. Herman  
 Wichfeld, Mrs. Ivan  
 Winston, Mr. Harry  
 Winthrop, Mrs. Margaret S.  
 Winthrop Laboratories

#### \$500 to \$1,000

Alexander, Miss Helen D.  
 Altman Foundation  
 Anonymous (3)  
 Arlin Fund, Inc.  
 Beekman Family Association, Inc.  
 Bunker, Ambassador Ellsworth  
 Burroughs Wellcome Fund  
 Carlisle & Jacquelin  
 Case, Robert B., M.D.  
 Cerro Fund, Inc.  
 Christal, Mr. Henry I.  
 Coleman, Mr. Stewart P.  
 Combined Book Exhibit, Inc.  
 Danziger Trust, Abraham L.  
 Darling, Mrs. Herbert F.  
 Finney, Miss Nancy B.  
 Frank, Mr. Walter N.  
 Freeman, Mr. and Mrs. Edward W.  
 French, Mrs. Joan Remick  
 Ganzburg, Mrs. Anne B.  
 Gerli, Mr. Paolino  
 Hallan, Mr. Arthur C.  
 Hartley Corporation  
 Hirsch, Mr. Jules  
 Holland, Mr. Walter J., Jr.  
 Kitterson, Estate of Mrs. L. R.  
 Klee, Mr. David  
 Kuehn, Mr. C. C.  
 Landfield, Mr. Sander  
 Lord, Mrs. Oswald B.  
 Markle, Mrs. Nancye  
 Matthews, Mr. Hiram A.  
 Mazur, Mrs. Paul  
 McClarity, Mr. Harry C.  
 Morgenstern, Mr. and Mrs. Morris  
 Newton, Mr. Maurice  
 Noble Foundation, Edward John  
 Oaklawn Foundation  
 O'Brien, Mrs. Agnes Osborne  
 Osborne, Mr. and Mrs. R. R.  
 Paley Foundation, William S.  
 Petry, Mr. Edward  
 Phillips Foundation, Charlotte Palmer  
 Polhemus, Mrs. Henry M.  
 Reese, Mr. Willis L. M.  
 Riverside Church  
 Rue, Mrs. Francis J.  
 St. George's Society of New York  
 Schwindt Foundation, Inc., Irene  
 Sinclair, Mr. Frazer V.

Society for the Relief of Women and  
 Children  
 Special Dairy Industry Board  
 Squibb Institute, The  
 Stubbs, Mr. Merrill  
 Swan & Co. Inc., John L.  
 Waters Company, Inc., Robert H.  
 Weybright, Mr. Victor  
 West, John P., M.D.  
 Whitmore, Mrs. Susan  
 Wildner Foundation, Inc.  
 Wilson, Mr. and Mrs. Orme  
 Youth's Friends Association, Inc.  
 Yutzi, Mr. Thomas D.

#### \$100 to \$500

Ada, Alexander E. W., M.D.  
 Amateau, Mr. Rod  
 Anderson, Mr. Robert W.  
 Andrews, Mr. James W.  
 Andrews, Mr. Prescott R.  
 Anonymous (1)  
 Appleton, Mr. Francis R., Jr.  
 Austin, Mrs. Stella  
 Baer Foundation  
 Barson, Mr. George  
 Bergen, Stanley Silvers, Jr., M.D.  
 Bidwell, Mr. J. Truman  
 Bienstock, Mr. and Mrs. Abraham  
 Blancato, Louis, M.D.  
 Bleibtreu, Mr. Jacob  
 Blough, Earl, M.D.  
 Boardman, Mrs. Bradford  
 Bonyng Memorial Fund, M. Alida  
 Brewster, Mr. Edward C.  
 Brooks, Miss Florence V.  
 Brown, Mrs. Colvin  
 Burns, Mrs. William G.  
 C. A. L. Foundation, Inc.  
 Camp, Mr. Kingsland  
 Campbell, Mr. and Mrs. Joseph  
 Chapin, Mrs. C. Merrill, Jr.  
 Christie, Mr. Gerald E.  
 Chu, Mrs. Lucy  
 Coyle, Mrs. Vincent J.  
 Crocker, Mr. Arthur M.  
 Cutler, Mrs. Howard  
 Deatly, Mr. William  
 Detmold, Mr. George J.  
 Dewey Fund, Thomas E.  
 Duff, Mr. Daniel V.  
 Eggers, Harry, M.D.  
 Finby, Nathaniel, M.D.  
 First National City Bank,  
 Officers and Directors of  
 Fitzpatrick, Hugh F., M.D.  
 Fletcher, Mrs. Henry  
 Forgan, Mr. J. Russell  
 Franklin, Mr. Hugh  
 George, Mrs. Roland J.  
 Gifford, Mr. Donald S.

Gillette, Mrs. Edith  
 Gray, Mr. William S.  
 Grolier Foundation, Inc.  
 Guthrie, Mr. Henry B.  
 Haas, Mr. Marc  
 Hassel, Mr. Charles J.  
 Hay, Mrs. Clarence L.  
 Haynes, William, Jr., M.D.  
 Helmle, Willie F.  
 Hewitson, Dr. and Mrs. Arthur  
 Hoit, Mrs. Alice G.  
 Holloway, Mr. Bernard L.  
 Hopeman, Mrs. Albert Arendt  
 Houston, Mrs. Robert L.  
 Hoyt, Miss Gertrude Riker  
 Humes, Mr. John P.  
 I.B.M. Corp.  
 Irwin, Mr. and Mrs. John N.  
 Jarvis, Miss Edith L.  
 Jefferson, Mr. Floyd W.  
 Kane, Mr. R. Keith  
 Knott, Mr. James  
 Knox, W. Graham, M.D.  
 Laughlin, Mrs. William K.  
 Lavezzari, Mrs. Pleasant  
 Leeming, Mr. Leonard B.  
 L'Hommedieu, Mr. Henry K.  
 Lindsay, Mr. Howard  
 Litchfield, Mrs. Arthur V.  
 Lloyd, Mr. and Mrs. Herbert  
 Lockie, Mr. Andrew  
 Lohr, Mr. Charles H., Jr.  
 Lowe, Mr. and Mrs. Gerard, Jr.  
 Lynn, Mr. and Mrs. Vernon R. Y.  
 Lyon, Mrs. Robert F.  
 MacFarlane, Mrs. A. H.  
 Maffitt, Mr. Edward P.  
 March Foundation, Inc.  
 Marcus, Mr. Jefferson H.  
 Martin, Mr. Walter H.  
 Mazur Trust, Paul M.  
 McAlpin, Mr. David H.  
 McChesney, Mrs. John  
 McCulloch, Mr. R. M.  
 McDonald, Mr. Lyle  
 McDonald, Mrs. Willis  
 McGrath, Mrs. J. Wade  
 McGrory, Ch. Captain John R., Jr.  
 McHugh, Mr. Thomas F.  
 McKim, Mr. Robert J.  
 Melling, Miss Marjorie  
 Metzger, Mr. and Mrs. Herbert J.  
 Michelman, Mr. Samuel  
 Milbank, Mr. and Mrs. Jeremiah  
 Minnigerode, Mr. George  
 Moffett, Mr. J. A., 2nd.  
 Moore, Mr. and Mrs. Louis  
 Morgan, Mr. Henry S.  
 Morris, Mr. Lewis R.  
 Muller, Mrs. Edward A.  
 National X-ray Products Corp.

Nichol, Mrs. Frederick W.  
 Nichols Foundation, Thomas S. and  
 Bernice S.  
 Osbun, Mr. Earl  
 Parsons, Herbert, M.D.  
 Parsons, Mrs. John C.  
 Patrick, Miss Elizabeth  
 Peters, Miss Isabel M.  
 Pilgrim Masonic Fellowship Club  
 Pittman, Fred, M.D.  
 Porter, Mrs. Cheever  
 Pratt, Mrs. Richardson  
 Price, Mr. Theo H.  
 Purdy, Mrs. Thomas L., Jr.  
 Radcliffe, Mrs. Gertrude  
 Rappleye, Willard C., M.D.  
 Rathemacher, Mr. John  
 Remensnyder, Mrs. J. P.  
 Richard Foundation  
 Riker, Mr. Samuel, Jr.  
 Rockefeller, Mrs. Laurance S.  
 Ryan, Mr. William H.  
 Scoville, Mrs. Herbert  
 Second Christian Reformed Church  
 Selle, Inc., Willard A.  
 Sheffield, Mr. Frederick  
 Shelton, Mr. Talbot  
 Sherry, Mr. Marcus D.  
 Shinn, Mr. and Mrs. Roger L.  
 Sloan, Mr. Benson B., Jr.  
 Smith, Mr. Adolph Q.  
 Smith, Mr. Sydney  
 Solley, Mrs. Robert F.  
 Springs, Mr. Richard A., Jr.  
 Stetson, Mr. Charles P.  
 Stout, Mr. Bayard D.  
 Stout, Mr. Gardner D.  
 Straus, Mrs. Katherine  
 Sutcliffe, Mr. Arthur T.  
 Szold, Mr. H. J.  
 Tate, Mrs. H. C.  
 Terry, Mrs. Charles G.  
 Thomas Foundation, Martha P. and  
 Joseph A.  
 Thomson, Mr. C. S.  
 Vaillant, Rev. and Mrs. Rene  
 Van Itallie, Theodore B., M.D.  
 Van Vechten, Mr. Schuyler  
 Warburg, Mr. and Mrs. Paul Felix  
 Warner Fund, Albert and Bessie  
 Watkins, Mr. Harry A.  
 Watkins, Mr. Peter M.  
 Whiting, Frederick L., M.D.  
 Whitman, Mr. Harold C.  
 Wilhelm, Mr. C. H.  
 Williams, Mr. Thomas R.  
 Williams, Mrs. William  
 Williamson, Mrs. Frederick E.  
 Woolley, Mrs. Knight  
 Youngs, Mr. Robert M.  
 Zintel, Harold A., M.D.

## Gifts For Special Purposes

### 1964

Ada Fund For Surgical Service .....	\$ 200.00
Altman Foundation Fund .....	500.00
Anesthesia Service Fund .....	450.00
Mary Babcock Foundation Fund .....	2,202.00
Blood Bank Fund .....	5.00
Blood Bank Equipment Fund .....	70.00
Bosworth Fund For Patient Care .....	50.00
Children's Fund .....	275.99
Children's Ward Fund .....	15.00
Christmas Fund .....	975.00
Class of 1964 Fund .....	1,187.51
Clemens Fund For Clinic Care .....	5,000.00
William H. Conroy Fund For Surgical Service .....	3,000.00
Danziger Appliance Fund .....	525.00
Darling Fund For Psychiatric Nursing Scholarships .....	500.00
Discretionary Fund For Medical Service .....	3,919.75
Ear, Nose & Throat Fund .....	1,528.50
Eye Clinic Fund .....	500.00
Eye Service Fund .....	506.50
Faculty Organization Fund .....	117.50
Fleming Fund For Indigent Patients Needing Plastic Surgery .....	500.00
Carolyn Lathrop Goldsmith Memorial Room Fund .....	1,461.05
Grace Institute Scholarship Fund .....	3,600.00
Graduate Nurses Lounge Fund .....	1,000.00
Graduate Nurses Tea Fund .....	35.00
Janet Gustafson Memorial Fund .....	50.00
Hartley Scholarship Fund .....	500.00
Head & Neck Tumor Service Fund .....	500.00
Holloway Fund For School of Nursing .....	5,107.50
Hospital Auxiliary Operating Fund .....	396.17
John H. Keating Sr. Memorial Fund .....	7,820.00
Maude A. Leland Fund .....	3,474.60
Medical Library Fund .....	1,100.00
Janet Stewart Melling Memorial Fund .....	300.00
Orthopedic Care Fund .....	50.00
Orthopedic Service Fund For Braces & Appliances .....	200.00
Otolaryngology Service General Fund .....	1,712.63
Pathology Department Fund .....	207.56
Patients Library Service Fund .....	122.50
Pediatric Service General Fund .....	25.00
Phipps Fund For Patient Care .....	2,000.00
Pilgrim Masonic Fellowcraft Club Nurses Scholarship Fund .....	210.00
Plastic Surgery Fund .....	220.60
Psychiatry Service Fund .....	3,355.00
Radiology Department Fund .....	492.44
Radio Therapy Department Fund .....	1,030.00
Recreational Therapy Fund .....	400.00
Redecorating Private Rooms Fund .....	5,000.00
Religious Service Work Fund .....	1,773.30

J. Gould Remick Memorial Fund .....	1,566.67
Riverside Church Fund .....	105.00
School of Nursing Purposes Fund .....	680.50
Schweckendieck Fund For Crippled Children .....	1,800.00
Scott Memorial Fund .....	20,624.21
Elizabeth Van Leer Sharp Memorial Fund .....	45.00
Social Service Camp Care Fund .....	825.00
Social Service Christmas Fund .....	758.00
Social Service Director's Fund .....	1,122.50
Special Equipment Fund .....	1,586.25
Special Meetings Fund .....	400.00
Special Needs of O.P.D. Patients Fund .....	400.00
Special Needs of Patients Fund .....	2,400.00
Surgical Equipment Fund .....	1,750.00
Surgical Service—General Fund .....	1,286.80
Switzer Foundation Fund .....	1,000.00
James Talcott Fund For Scholarships .....	1,000.00
Thomas Fund For Patient Care .....	3,500.00
Urological Department Fund .....	3,113.75
Volunteer Service Fund .....	100.00
Woman's Hospital Family Planning Clinic Fund .....	500.00
<i>Total-Gifts for Special Purposes</i>	<u>\$108,734.78</u>

## Gifts and Grants for Research 1964

For Arthritis Research .....	\$ 11,933.50
For Cancer Research .....	148,068.00
For Cardio-Respiratory Research .....	28,235.57
For General Research .....	19,042.00
For Medical Research .....	835,828.82
For Nutritional Research .....	14,000.00
For Orthopedic Research .....	2,158.69
For Psychiatric Research .....	102,600.90
For Radiology Research .....	13,000.00
For Surgical Research .....	91,519.42
<i>Total Gifts and Grants for Research</i>	<u><u>\$1,266,386.90</u></u>

## Endowed Beds Fund

Alumnae Association .....	\$ 10.00
Estate of Margaret M. Fraser .....	5,000.00
Estate of Gustav Viehl .....	7,500.00
	<u>\$ 12,510.00</u>

## Endowments for Designated Purposes

Vivian B. Allen Scholarship Fund .....	\$ 38,100.00
Alumnae Association Private Room Fund—Miss Adaline P. D. Trask ...	50.00
Anonymous .....	5,000.00
Adelaide Thaw Beach Trust .....	575.34
Braman Fund for Medical Care of Nurses .....	200,000.00
Mary Ann Fitzgerald Fund .....	200,000.00
Estate of Helen Slade Ogilvie—	
The Jarvis & Hannah Slade Memorial Room .....	46,637.17
Catherine Van Rensselaer Fund .....	21,284.14
Hsien and Daisy Yen Wu Research Fund .....	5,000.00
	<u>\$516,646.65</u>

## Endowments for General Purposes

Helen Abbe Howson Memorial Fund .....	1,734.38
Estate of Helen Slade Ogilvie .....	95,740.56
	<u>\$ 97,474.94</u>

## Memorial Endowments

Memorial Fund for Special Nursing—Julius Aborn .....	\$ 100.00
--	-----------

## Unrestricted Legacies

Estate of Ralph Applebaum .....	\$ 2,604.18
Estate of Myron Barents .....	1,000.00
Estate of Simon Barents .....	13,113.90
Estate of Demetri N. Beregekoff .....	435.65
Estate of Estelle Sutton Canning .....	19,937.63
Estate of Anna L. Dewey .....	1,486.48
Estate of Helen Harvey .....	9,290.62
Estate of Mary T. Horn .....	1,882.86
Estate of Cornelia R. Howard .....	500.00
Estate of Sidney W. Hughes .....	30,000.00
Grant from James Foundation of New York, Inc. ....	1,488,097.26
Estate of Ernest G. Lemcke .....	60,000.00
Bequest of Dr. Merritt H. Merriman .....	500.00
Estate of Edith C. Nicoll .....	10,000.00
Estate of Helen M. Petit .....	41,157.88
Estate of Laura Shannon .....	64,534.05
Estate of Louise Q. Weed .....	73,083.65
Trust of Janetta Whitridge .....	19,000.00
Estate of Pauline F. Winter .....	9,948.82
	<u>\$1,846,572.98</u>

## Income from Trusts and Estates

Florence L. S. Clark Trust .....	\$ 42,822.33
First Presbyterian Church Trust .....	7,111.73
Green Trust .....	7,521.43
Estate of Cornelia R. Howard .....	11.37
Adrian H. Jackson Trust .....	7,663.57
Kurzman Trust Fund .....	270.70
Estate of Mary Minot Macy .....	1,500.00
Estate of Helen M. Petit .....	1,408.15
Estate of Laura Shannon .....	1,123.50
Estate of Louise Q. Weed .....	1,616.38
	<u>\$ 71,049.16</u>

## Funds Received—1964

### Recapitulation of Benefactions and Grants

Gifts for General Purposes .....	\$ 146,538.38
Gifts for Special Purposes .....	108,734.78
Gifts and Grants for Research .....	1,266,386.90
Endowed Beds Fund .....	12,510.00
Endowments for Designated Purposes .....	516,646.65
Endowments for General Purposes .....	97,474.94
Memorial Endowments .....	100.—
Unrestricted Legacies .....	1,846,572.98
Income from Trusts and Estates .....	71,049.16
	<u>\$4,066,013.79</u>



# St. Luke's Hospital

## Patients' Statistics

	1964	1963
<b>Patients in Hospital First of Year</b>		
Private .....	105	91
Semi-Private .....	133	124
Wards:		
Medical .....	69	58
Surgical .....	111	92
Children .....	16	21
Psychiatric .....	30	25
<b>Total</b> .....	<b>464</b>	<b>411</b>

<b>Admitted During the Year</b>		
Private .....	2,624	2,656
Semi-Private .....	4,359	4,200
Wards:		
Medical .....	1,445	1,356
Surgical .....	2,840	2,887
Children .....	1,422	1,512
Psychiatric .....	479	429
<b>Total</b> .....	<b>13,169</b>	<b>13,040</b>

<b>Discharged During the Year</b>		
Private .....	2,634	2,642
Semi-Private .....	4,351	4,191
Wards:		
Medical .....	1,460	1,345
Surgical .....	2,847	2,868
Children .....	1,417	1,517
Psychiatric .....	477	424
<b>Total</b> .....	<b>13,186</b>	<b>12,987</b>

<b>Patients Remaining at End of Year</b>		
Private .....	95	105
Semi-Private .....	141	133
Wards:		
Medical .....	54	69
Surgical .....	104	111
Children .....	21	16
Psychiatric .....	32	30
<b>Total</b> .....	<b>447</b>	<b>464</b>

<b>Admission Classified by Religious Denominations</b>	<b>1964</b>	<b>1963</b>
Protestant .....	5,033	5,004
Roman Catholics .....	5,384	5,618
Hebrew .....	1,190	1,214
Other Religions & None .....	1,562	1,204
<b>Total</b> .....	<b>13,169</b>	<b>13,040</b>

#### **Analysis of Patients Discharged**

Cured Or Improved .....	12,201	11,952
Unimproved .....	413	472
In for Diagnosis .....	5	11
Left Against Advice .....	105	108
Died .....	462	444
<b>Total</b> .....	<b>13,186</b>	<b>12,987</b>

#### **Total Patient Days**

Private .....	37,131	36,060
Semi-Private .....	50,551	48,618
Ward—Free and Endowed .....	833	597
Pay or Part Pay .....	21,685	24,821
Compensation .....	54	16
New York City Cases .....	59,111	59,618
Psychiatric .....	10,794	10,213
<b>Total</b> .....	<b>180,159</b>	<b>179,943</b>

#### **Average Daily Census**

Private .....	101	98.79
Semi-Private .....	138	133.20
Ward—Free and Endowed .....	2	1.64
Pay or Part Pay .....	59	68.00
Compensation .....	—	.04
New York City Cases .....	163	163.34
Psychiatric .....	29	27.98
<b>Total Average</b> .....	<b>492</b>	<b>493.00</b>

#### **Average Stay per Patient**

Private .....	13.69	13.65
Semi-Private .....	11.79	11.60
Ward .....	14.44	14.84
Psychiatric .....	20.59	24.09
<b>Total Average</b> .....	<b>13.66</b>	<b>13.86</b>

<b>Bed Complement</b>	<b>1964</b>	<b>1963</b>
Private Rooms .....	115	115
Semi-Private Beds .....	147	147
Ward Beds .....	302	302
Psychiatric Beds .....	35	35
<b>Total</b> .....	<b>599</b>	<b>599</b>

#### **Percentage of Bed Occupancy**

Private .....	88.22	85.91
Semi-Private .....	94.04	93.09
Ward .....	75.34	77.54
Psychiatric .....	84.26	91.75
<b>Total</b> .....	<b>82.18</b>	<b>82.92</b>

#### **Unit Income and Costs for In-Patients**

Average Income Per Patient Day .....	\$51.66	\$47.52
Average Cost Per Patient Day .....	55.46	48.98
Average Loss Per Patient Day .....	\$ 3.80	\$ 1.46

# Statistics - Out - Patients

	<u>1964</u>	<u>1963</u>
<b>Out-Patient Department</b>		
Total Numbers of Patient Visits .....	120,877	114,900
Number of Individuals Treated .....	23,554	22,396
<b>Unit Income and Costs for Out-Patients</b>		
Average Income Per Out-Patient Visit .....	\$ 3.82	\$ 3.29
Average Cost Per Out-Patient Visit .....	<u>10.43</u>	<u>10.42</u>
Average Loss Per Out-Patient Visit .....	<u>\$ 6.61</u>	<u>\$ 7.13</u>
<b>Cases Examined in Admitting and Emergency Department</b>		
Treated and Referred to Out-Patient Dept. ....	28,655	23,786
Treated and Referred to Private Doctors .....	1,101	797
Treated and Referred to Personnel Office .....	271	228
Treated and Referred Elsewhere .....	1,231	1,076
Miscellaneous Communicable Diseases		
Referred Elsewhere .....	297	—
Treated and Discharged .....	23,168	21,033
Examined and Admitted .....	6,457	3,961
Compensation Cases Treated and		
Referred Elsewhere .....	876	874
Left Without Being Seen; Against Advice .....	1,458	880
Columbia Health Service .....	<u>1,143</u>	<u>920</u>
<b>Total</b> .....	<u>64,657</u>	<u>53,555</u>

# Statistics

## Number of Employees

(As of December 31, 1964)

	1964	1963
Residents and Internes .....	107	93
Nursing Care .....	575	561
Student Nurses, Including Preclinical Students ....	244	256
School of Nursing .....	31	31
Operating Rooms (Includes Maids and Porters) ...	67	66
Miscellaneous Professional Care .....	129	125
X-Ray Department .....	69	69
Pathological Laboratory .....	68	66
Other Special Services Departments .....	48	45
Out Patient Department .....	65	64
Dietary Department .....	165	164
Housekeeping Department .....	120	119
Maintenance of Personnel .....	47	46
Laundry .....	53	52
Linen and Sewing Room .....	22	22
Maintenance of Buildings, Grounds and Equipment	49	49
Operation of Plant .....	40	40
Business Offices and Telephone .....	163	158
Purchasing and Storeroom .....	14	13
Executive Offices .....	15	13
Religious Services Department .....	6	6
Research .....	83	76
Other .....	23	21
<b>Total</b> .....	<b>2,203</b>	<b>2,155</b>

# Statistics

## Special Service Department

	<u>1964</u>	<u>1963</u>
<b>X-Ray Department</b>		
Radiography		
Examination of In-Patients .....	25,097	23,529
Examination of Clinic Patients .....	18,193	17,247
Examination of Referred Out-Patients .....	<u>7,912</u>	<u>7,138</u>
<b>Total</b> .....	<u>51,202</u>	<u>47,914</u>
Number of Films Used .....	<u>147,650</u>	<u>141,893</u>
Radiotherapy—Number of Treatments:		
In-Patients .....	3,327	2,508
Clinic Patients .....	1,762	2,058
Referred Out-Patients .....	<u>2,826</u>	<u>2,481</u>
<b>Total</b> .....	<u>7,915</u>	<u>7,047</u>
<b>Pathological Laboratory Department</b>		
Number of Tests:		
In-Patients .....	238,555	223,690
Clinic Patients .....	69,539	74,833
Referred Out-Patients .....	9,482	8,237
Research and Others .....	<u>27,470</u>	<u>27,128</u>
<b>Total</b> .....	<u>345,046</u>	<u>333,888</u>
<b>Operating Rooms</b>		
Number of Operations:		
Private Patients .....	1,375	1,337
Semi-Private Patients .....	2,798	2,764
Ward Patients .....	3,795	3,764
Clinic Patients .....	—	—
Referred Out-Patients .....	<u>118</u>	<u>145</u>
<b>Total</b> .....	<u>8,086</u>	<u>8,010</u>
<b>Physical Medicine Department</b>		
Number of Treatments:		
In-Patients .....	23,148	25,839
Clinic Patients .....	21,654	23,925
Referred Out-Patients .....	<u>4,893</u>	<u>4,899</u>
<b>Total</b> .....	<u>49,695</u>	<u>54,663</u>
Total Number of Patients Visits .....	<u>18,883</u>	<u>18,974</u>

**Electrocardiograph Department**

## Number of Examinations:

In-Patients .....	8,573	7,926
Clinic Patients .....	2,085	1,714
Referred Out-Patients .....	99	152
<b>Total</b> .....	<u>10,757</u>	<u>9,792</u>

**Electroencephalograph Department**

## Number of Examinations:

In-Patients .....	485	372
Clinic Patients .....	315	491
Referred Out-Patients .....	167	135
<b>Total</b> .....	<u>967</u>	<u>998</u>

**Metabolism Department**

## Number of Tests:

In-Patients .....	74	160
Clinic Patients .....	34	113
Referred Out-Patients .....	11	18
<b>Total</b> .....	<u>119</u>	<u>291</u>

**Cystoscopic Department**

## Number of Treatments:

In-Patients .....	553	665
Clinic Patients .....	191	195
<b>Total</b> .....	<u>744</u>	<u>860</u>

**Blood Bank**

## Number of Transfusions:

In-Patients .....	3,700	3,999
<b>Total</b> .....	<u>3,700</u>	<u>3,999</u>

**Hearing and Speech**

## Number of Treatments:

In-Patients .....	271	249
Clinic Patients .....	3,552	3,103
<b>Total</b> .....	<u>3,823</u>	<u>3,352</u>

**Plethysmograph**

## Number of Treatments:

In-Patients .....	41	42
Out-Patients .....	22	17
<b>Total</b> .....	<u>63</u>	<u>59</u>



# Department of Religious Services

	<u>1964</u>	<u>1963</u>
<b>Services at St. Luke's</b>		
Baptisms .....	27	16
Marriages .....	4	1
Memorial Services .....	3	7
Burials .....	23	12
<b>Services of Holy Communion</b>		
Sundays .....	67	64
Other Days .....	47	53
Private .....	<u>1,283</u>	<u>1,191</u>
<b>Total Communions Administered .....</b>	<b>4,411</b>	<b>4,190</b>
<b>Services Conducted in Chapel and Wards</b>		
Sundays .....	751	720
Other Days .....	<u>1,300</u>	<u>1,277</u>
<b>Total Chapel Attendance .....</b>	<b><u>23,617</u></b>	<b><u>26,041</u></b>



# St. Luke's Hospital

## Woman's Hospital

**Comparative Balance Sheet as of December 31, 1964 and December 31, 1963**

### ASSETS

	1964	1963
<b>General Fund</b>		
Cash in banks and on hand .....	\$ 86,785.07	\$ 51,002.72
Accounts Receivable:		
Due from patients .....	\$ 180,060.44	\$ 158,725.02
Less: Allowance for uncollectible accounts .....	37,839.92	45,645.43
Due from patients—net .....	\$ 142,220.52	\$ 113,079.59
Due from Blue Cross plans .....	55,345.22	76,416.32
Due from City of New York .....	135,067.74	113,244.32
Miscellaneous accounts receivable .....	1,090.33	311.13
Inter-hospital accounts receivable .....	15,643.73	10,693.19
<i>Total Accounts Receivable, less Allowance         for Uncollectible Accounts</i> .....	<i>\$ 349,367.54</i>	<i>\$ 313,744.55</i>
Investments .....	—	14,123.75
Inventories of supplies .....	65,458.41	63,639.22
Prepaid expenses .....	18,974.20	23,436.87
<i>Total</i> .....	<i>\$ 520,585.22</i>	<i>\$ 465,947.11</i>
<b>Unrestricted Reserve Fund</b>		
Cash in bank .....	\$ 443,404.88	\$ 51,505.84
Investments .....	1,061,205.45	3,305,661.92
Due from General Fund .....	—	200,000.00
Due from Dual Century Fund .....	1,550,000.00	200,000.00
<i>Total</i> .....	<i>\$3,054,610.33</i>	<i>\$3,757,167.76</i>
<b>Endowment Funds</b>		
Cash in bank .....	\$ 11,508.79	\$ 38,346.75
Investments .....	2,017,934.19	2,010,941.87
<i>Total</i> .....	<i>2,029,442.98</i>	<i>2,049,288.62</i>
Less: Temporary Funds' undivided interest .....	18,685.18	18,867.90
<i>Net Assets</i> .....	<i>\$2,010,757.80</i>	<i>\$2,030,420.72</i>
<b>Temporary Funds for Designated Purposes</b>		
Cash in bank .....	\$ 56,152.20	\$ 52,129.74
Undivided interest in Endowment Funds' assets .....	18,685.18	18,867.90
<i>Total</i> .....	<i>\$ 74,837.38</i>	<i>\$ 70,997.64</i>
<b>Plant Fund</b>		
Cash in bank .....	\$ 134,412.45	\$ 108,162.43
Investments .....	—	—
Deferred legal fee .....	12,658.62	12,658.62
Hospital properties and equipment		
Less accumulated depreciation .....	996,782.74	1,027,201.94
<i>Total</i> .....	<i>\$1,143,853.81</i>	<i>\$1,148,022.99</i>
<b>TOTAL ASSETS</b> .....	<b>\$6,804,644.54</b>	<b>\$7,472,556.22</b>

# St. Luke's Hospital

## Woman's Hospital

Comparative Balance Sheet as of December 31, 1964 and December 31, 1963

### LIABILITIES AND FUND BALANCE

	<u>1964</u>	<u>1963</u>
<b>General Fund</b>		
Accounts payable .....	\$ 54,585.05	\$ 65,180.78
Accrued salaries payable .....	73,485.50	58,438.72
Payroll taxes withheld and accrued .....	31,706.52	39,582.32
Due to Unrestricted Reserve Fund .....	—	200,000.00
Other Liabilities .....	36,678.40	40,972.56
<i>Total Liabilities</i> .....	<u>\$ 196,455.47</u>	<u>\$ 404,174.38</u>
Unexpended balance of special appropriations .....	9,844.88	9,844.88
General Fund balance .....	314,284.87	51,927.85
<i>Total</i> .....	<u>\$ 520,585.22</u>	<u>\$ 465,947.11</u>
<b>Unrestricted Reserve Fund</b>		
Principal .....	<u>\$3,054,610.33</u>	<u>\$3,757,167.76</u>
<b>Endowment Funds</b>		
Principal:		
General Endowment Funds .....	\$1,760,935.53	\$1,778,155.47
Restricted Endowment Funds .....	249,822.27	252,265.25
<i>Total</i> .....	<u>\$2,010,757.80</u>	<u>\$2,030,420.72</u>
<b>Temporary Funds for Designated Purposes</b>		
Unexpended income from Restricted Endowment Funds .	\$ 12,505.60	\$ 11,223.56
Unexpended donations for designated purposes .....	62,331.78	59,774.08
<i>Total</i> .....	<u>\$ 74,837.38</u>	<u>\$ 70,997.64</u>
<b>Plant Fund</b>		
Deposit on sale of property .....	\$ 87,500.00	\$ 87,500.00
Blue Cross Fund for capital costs .....	134,412.45	108,162.43
Plant capital .....	921,941.36	952,360.56
<i>Total</i> .....	<u>\$1,143,853.81</u>	<u>\$1,148,022.99</u>
<b>TOTAL LIABILITIES AND FUND BALANCES</b> ....	<u><u>\$6,804,644.54</u></u>	<u><u>\$7,472,556.22</u></u>

# St. Luke's Hospital

## Woman's Hospital

### Comparative Statement of Income and Expenses for the Years Ended December 31, 1964 and December 31, 1963

	1964	1963
<b>Net Operating Income</b> .....	<u>\$2,101,163.36</u>	<u>\$2,078,405.81</u>
<b>Operating Expenses</b>		
Salaries, wages and fees .....	2,193,421.64	2,114,019.51
Supplies, expenses and food .....	777,926.93	736,660.54
Recovery of expenses (deducted) .....	(54,666.50)	(56,193.28)
<i>Net Operating Expenses</i> .....	<u>2,916,682.07</u>	<u>2,794,486.77</u>
<i>Net Operating Loss</i> .....	<u>815,518.71</u>	<u>716,080.96</u>
<b>Supplementary Income</b>		
Income from Investments of:		
General Endowment Fund .....	119,196.46	110,587.40
Unrestricted Reserve Fund .....	168,125.98	156,609.15
Plant Fund .....	—	10,258.75
Income from various trusts and estates .....	321.76	317.90
United Hospital Fund .....	11,249.00	13,450.76
Greater New York Fund .....	18,293.00	22,377.24
Appropriated from temporary funds		
for designated purposes .....	19,753.23	18,948.53
Donations for general purposes .....	47,318.14*	57,101.53*
Hospitality Shop net profit (loss) .....	(4,601.64)	(4,521.65)
Net profit on sales of securities .....	579.34	1,048.48
Social Service Department Income:		
Appropriated from temporary funds for		
designated purposes .....	6,020.00	5,150.00
United Hospital Fund .....	1,085.00	1,086.00
Greater New York Fund .....	5,837.00	7,240.00
<i>Total Supplementary Income</i> .....	<u>393,177.27</u>	<u>399,654.09</u>
<b>Loss before Non-Operating Expenses</b> .....	<u>422,341.44</u>	<u>316,426.87</u>
<b>Non-Operating Expenses</b>		
Public relations and appeal for funds .....	15,301.54	14,576.74
<b>Loss before Provision for Depreciation</b> .....	<u>437,642.98</u>	<u>331,003.61</u>
<b>Provision for Depreciation</b>		
Depreciation of buildings .....	22,311.23	22,311.23
Depreciation of equipment .....	27,105.75	29,225.75
<i>Total Provision for Depreciation</i> .....	<u>49,416.98</u>	<u>51,536.98</u>
<b>Excess of Expenses Over Income for the Year</b>	<u>\$ 487,059.96</u>	<u>\$ 382,540.59</u>

\* During the years 1964 and 1963, donations for general purposes in the amount of \$19,635.00 and \$19,753.00, respectively, received by the General Hospital, were allocated to the Woman's Hospital by action of the Board of Trustees.

# St. Luke's Hospital

## Woman's Hospital

### Condensed Statement of Income and Expenses for the Year Ended December 31, 1964

#### Operating Income

Income from Patients:	
Private patients .....	\$ 345,989.01
Semi-private patients .....	762,839.61
Ward patients .....	653,276.18
Newborn infants .....	211,373.81
Outpatients .....	130,574.45
<i>Income from Patients</i> .....	<u>2,104,053.06</u>
Deduct: Provision for Uncollectible accounts .....	40,000.00
<i>Net Income from Patients</i> .....	<u>2,064,053.06</u>

#### Other Operating Income

Recoveries on accounts written off .....	12,693.18
Discounts on purchases .....	3,611.54
Sales of materials, supplies and scrap .....	979.02
Rents and commissions .....	4,182.60
Miscellaneous .....	15,643.96
<i>Total Other Operating Income</i> .....	<u>37,110.30</u>
<i>Net Operating Income</i> .....	<u>2,101,163.36</u>

#### Operating Expenses

Professional care of patients—general and nursing .....	1,021,487.37
Special service departments .....	527,745.15
Out-patient department .....	44,347.29
Social service department .....	28,309.30
Dietary department .....	369,599.06
Housekeeping department .....	169,674.09
Laundry and linen room .....	105,113.11
Maintenance of personnel .....	2,441.65
Maintenance and operation of plant and general equipment .....	254,060.86
Administration and general .....	448,570.69
Recovery of expenses (deducted) .....	(54,666.50)
<i>Net Operating Expenses</i> .....	<u>2,916,682.07</u>
<i>Net Operating Loss</i> .....	<u>815,518.71</u>

<b>Supplementary Income</b> .....	<u>393,177.27</u>
<i>Loss before Non-Operating Expenses</i> .....	<u>422,341.44</u>

<b>Non-Operating Expenses</b> .....	<u>15,301.54</u>
<i>Loss before Provision for Depreciation</i> .....	<u>437,642.98</u>

#### Provision for Depreciation

Depreciation of buildings .....	22,311.23
Depreciation of equipment .....	27,105.75
<i>Total Provision for Depreciation</i> .....	<u>49,416.98</u>

<b>Excess of Expenses Over Income for the Year</b> .....	<u><u>\$ 487,059.96</u></u>
--	-----------------------------



# Woman's Hospital

## Gifts for General Purposes—1964

### General Hospital

Gifts of \$1,000 and over .....	34
Gifts of \$500 to \$1,000 .....	28
Gifts of \$200 to \$500 .....	32
Gifts of \$100 to \$200 .....	96
Gifts of \$50 to \$100 .....	74
Gifts under \$50 .....	1,917
Total Number of Donations .....	2,181
Total Amount Contributed .....	\$146,538.38

## Woman's Hospital

### \$1000 and Over

Avalon Foundation  
 Corey, Mrs. Alan, Jr.  
 Davis, Mrs. Howland S.  
 Grace, Mrs. William R.  
 New York Community Trust  
 Scoville, Miss Edith

### \$500 to \$1000

Clarke, Mrs. Thomas L., Jr.  
 Cross Ridge Foundation, Inc.  
 Stebbins, Mr. Theodore E.

### \$100 to \$500

Abegg, Mrs. Werner  
 Beard, Mr. and Mrs. Anson  
 Bentley, Mr. and Mrs. George A., 3rd  
 Beekman Family Association, Inc.  
 Blagden, Mr. Edward S.  
 Borg, Mr. Malcolm A.  
 Burke, Mrs. John S., Jr.  
 C.A.L. Foundation, Inc.  
 Culpeper, Charles E. Foundation, Inc.  
 Curtiss, Mr. Elliott P.

Daly, Mr. Marcus  
 Emory, Mrs. German H. H.  
 Garver, Mr. Chauncey B.  
 Green Foundation, Inc.  
 Haskell, Mr. Amory L.  
 Hickox, Mrs. Charles V.  
 Hoppin, Mrs. Frederic G.  
 Iselin, Mr. O'Donnell  
 Kelly, Mrs. Carlos D.  
 Lagemann, Mr. Walter  
 McChesney, Mrs. John  
 McLane, Mrs. Huntington  
 Mathews, Mr. Hiram A.  
 Metcalf, Mrs. Manton B., Jr.  
 Milbank, Mrs. Jeremiah  
 Mitchell, Mr. Cornelius von E.  
 Pease, Mr. and Mrs. Perry R.  
 Perkins, Mrs. George W.  
 Rubel, Mr. and Mrs. Peter A.  
 Schmidinger, Mrs. Joseph  
 Silver, Mr. Fred  
 Small, Mrs. William Hutton  
 Social Service Committee,  
     Woman's Hospital  
 Target Rock Foundation  
 Watson, Mrs. Thomas J.  
 Webb, Mrs. Vanderbilt



## Gifts for Special Purposes

Assistant Board:	
Library Fund .....	\$ 140.40
Babies' Alumni Fund .....	7,254.65
Cancer Research Fund—Huber Foundation .....	1,000.00
Cheer Fund .....	530.00
Morse Fund .....	37.02
Nursery Fund .....	165.00
Social Service:	
General Fund .....	582.00
Patients' Relief Fund (Baird Foundation through Mr. David G. Baird) .....	2,595.00
<i>Total Gifts for Special Purposes</i>	<u>\$12,304.07</u>

## Funds Received

### Recapitulation of Benefactions and Grants

Gifts for General Purposes .....	\$47,073.14
Gifts for Special Purposes .....	12,304.07
<i>Total Benefactions and Grants</i>	<u>\$59,377.21</u>

# Patients' Statistics

## Woman's Hospital

	<u>Adult</u>		<u>Newborn</u>	
	<u>1964</u>	<u>1963</u>	<u>1964</u>	<u>1963</u>
<b>Patients in Hospital First of Year</b>				
Private .....	16	12	11	5
Semi-Private .....	24	22	11	10
Ward .....	<u>34</u>	<u>39</u>	<u>18</u>	<u>36</u>
<b>Total</b> .....	74	73	40	51
<b>Admitted During the Year</b>				
Private .....	898	856	306	317
Semi-Private .....	2,117	2,260	599	621
Ward .....	<u>2,620</u>	<u>2,730</u>	<u>1,344</u>	<u>1,357</u>
<b>Total</b> .....	5,635	5,846	2,249	2,295
<b>Discharged During the Year</b>				
Private .....	904	886	313	317
Semi-Private .....	2,118	2,222	598	613
Ward .....	<u>2,615</u>	<u>2,737</u>	<u>1,333</u>	<u>1,376</u>
<b>Total</b> .....	5,637	5,845	2,244	2,306
<b>Patients Remaining at End of Year</b>				
Private .....	10	16	4	11
Semi-Private .....	23	24	12	11
Ward .....	<u>39</u>	<u>34</u>	<u>29</u>	<u>18</u>
<b>Total</b> .....	72	74	45	40
<b>Total Patient Days</b>				
Private .....	5,896	6,094	2,173	2,075
Semi-Private .....	14,104	15,522	3,763	3,848
Ward .....	9,503	11,715	4,890	5,972
New York City Cases .....	<u>8,404</u>	<u>7,210</u>	<u>3,665</u>	<u>3,769</u>
<b>Total</b> .....	37,907	40,541	14,491	15,664
<b>Average Daily Census</b>				
Private .....	16.11	16.70	5.94	5.68
Semi-Private .....	38.54	42.53	10.28	10.54
Ward-Pay or Part Pay .....	25.96	32.09	13.36	16.36
New York City Cases .....	<u>22.96</u>	<u>19.75</u>	<u>10.01</u>	<u>10.33</u>
<b>Total</b> .....	103.57	111.07	39.59	42.91

**Average Stay Per Patient**

Private .....	6.56	7.12	7.10	6.54
Semi-Private .....	6.66	6.86	6.28	6.19
Ward .....	6.83	6.93	6.36	7.17
<b>Total</b> .....	6.72	6.93	6.44	6.82

**Bed Complement**

Private .....	38	38	14	14
Semi-Private .....	53	53	14	14
Ward .....	82	82	40	40
Premature and Isolation .....	—	—	18	18
<b>Total</b> .....	173	173	86	86

**Percentage of Bed Occupancy**

Private .....	42.39	44.95	—	—
Semi-Private .....	72.70	83.46	—	—
Ward .....	59.66	68.81	—	—
<b>Total</b> .....	59.86	66.69	46.03	49.90

**Unit Income and Costs for In-Patients**

Average Income Per Day .....	\$46.12	\$41.73	\$13.03	\$11.02
Average Cost Per Patient Day ....	66.07	54.67	22.21	19.48
Average Loss Per Patient Day ....	\$19.95	\$12.94	\$ 9.18	\$ 8.46

## Statistics - Out-Patients

	1964	1963
<b>Out-Patient Department</b>		
Number of visits — Free .....	2,633	3,073
— Pay or Part Pay .....	23,915	24,290
<b>Total</b> .....	26,549	27,363
Number of Individuals Treated .....	3,900	4,235

**Unit Income and Costs for Out-Patients**

Average Income Per Out-Patient Visit .....	\$ 4.89	\$4.33
Average Cost Per Out-Patient Visit .....	10.02	9.47
Average Loss Per Out-Patient Visit .....	\$ 5.13	\$5.14

# Statistics

## Number of Employees

(As of December 31, 1964)

	1964	1963
<b>Professional Care of Patients:</b>		
Residents .....	13.0	13.0
Nursing Care .....	154.9	148.4
Operating Rooms .....	22.5	24.5
Delivery Rooms .....	14.0	19.0
Miscellaneous Professional Care .....	12.0	12.0
X-Ray Department .....	4.0	4.0
Pathological Laboratory .....	21.6	21.6
Other Special Service Departments .....	3.0	3.0
Out-Patient Department .....	12.8	15.2
Dietary Department .....	59.0	55.0
Housekeeping Department .....	43.0	47.0
Laundry .....	19.0	19.0
Linen and Sewing Room .....	4.0	4.0
Maintenance of Buildings, Grounds and Equipment .....	11.0	11.0
Operation of Plant .....	28.0	28.0
Business Offices and Telephones .....	30.3	30.3
Storeroom .....	2.0	2.0
Executive Offices .....	3.0	3.0
Other .....	6.8	3.6
<b>Total .....</b>	<b>463.9</b>	<b>463.6</b>

# Statistics

## Special Service

## Department

### X-Ray Department

Radiography		
Examination of In-Patients .....	1,649	1,456
Examination of Out-Patients .....	1,779	1,765
Examination of Personnel .....	363	341
<b>Total</b> .....	<u>3,791</u>	<u>3,562</u>
Number of Films Used .....	8,169	6,580

### Radiotherapy—Number of Treatments

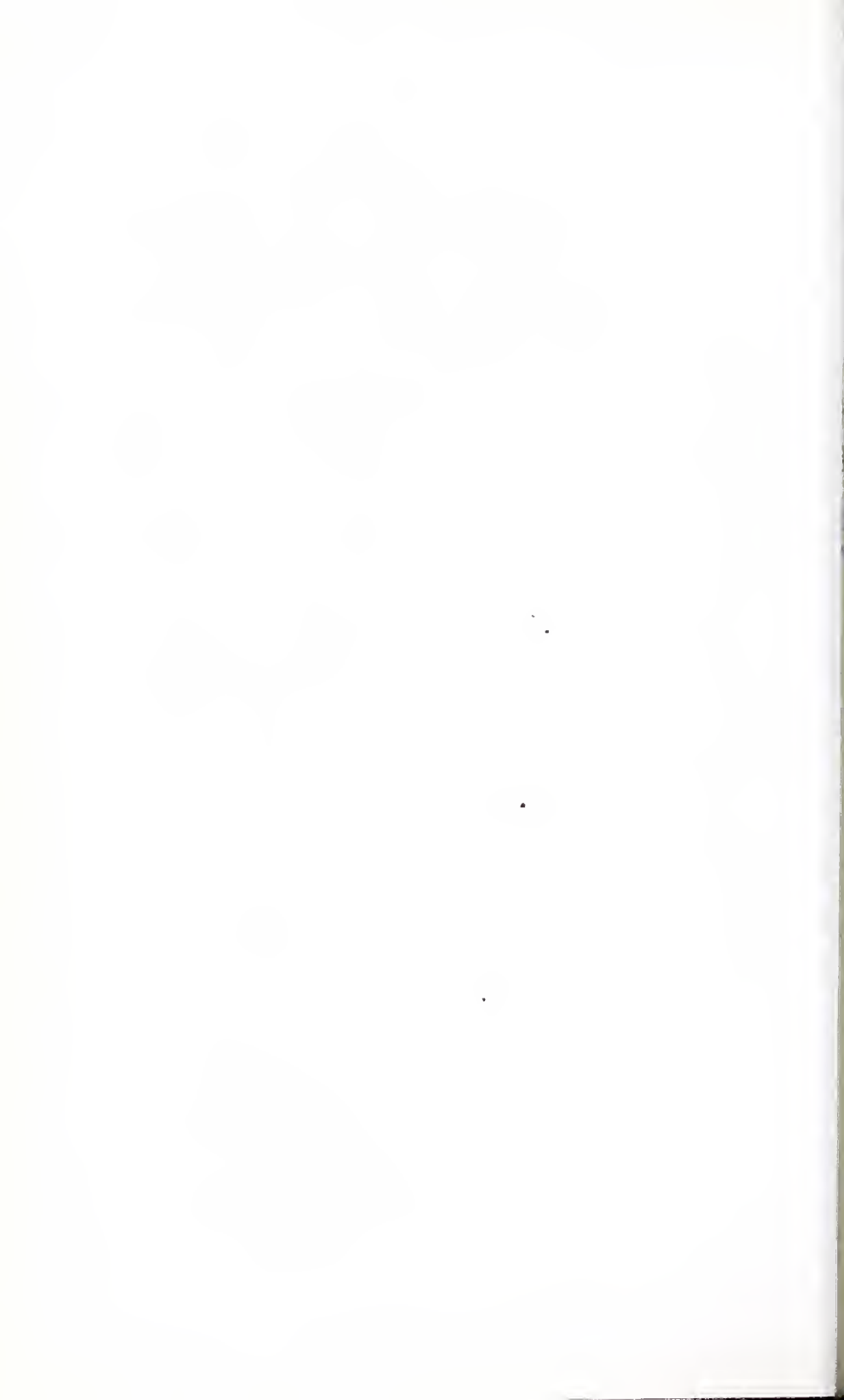
In-Patients .....	63	38
Out-Patients .....	13	98
Personnel .....	0	0
<b>Total</b> .....	<u>76</u>	<u>136</u>

### Pathological Laboratory Department

Number of tests		
In-Patients .....	31,222	29,747
Out-Patients .....	18,716	18,840
Personnel .....	1,437	1,393
<b>Total</b> .....	<u>51,375</u>	<u>49,980</u>

### Operating Rooms

Number of Operations		
Private .....	553	540
Semi-Private .....	1,586	1,680
Ward .....	1,115	1,257
<b>Total</b> .....	<u>3,254</u>	<u>3,477</u>



St. Luke's Hospital Center

# WORK BOOK

Hospital  
organization

Service  
Reports

Finance &  
Statistics



## Hospital Organization

- A1 Board of Trustees
- A2 Committees of the Board
- A3 St. Luke's Hospital Auxiliary
- A4 Assistant Board
- A5 Medical Board & Committees
- A6 Administrative Staff
- A7 Hospital Volunteers

## Service Reports

- B1 Anesthesiology
- B2 Dermatology
- B3 Medicine
- B4 Obstetrics & Gynecology
- B5 Oral Surgery & Dentistry
- B6 Orthopedics
- B7 Otolaryngology
- B8 Pathology
- B9 Pediatrics
- B10 Physical Medicine
- B11 Psychiatry
- B12 Radiology
- B13 Surgery
- B14 Urology
- B15 The Medical Staffs
- B16 Scientific Publications
- B17 Nursing Service
- B18 School of Nursing Report
- B19 The Nursing Staffs
- B20 Organizations

## Finance & Statistics

- St. Luke's Hospital:
- C1 Balance Sheet
- C2 Income/Expense Statement
- C3 Gift Record
- C4 Patient Statistics
- Woman's Hospital:
- C5 Gift Record

The contents of the Work Book may be located by flipping the upper right corners of the pages and finding the "letter-number" which corresponds to the desired section as shown in the listings above (e.g., flip to B3 for the report of the Medical Service). In addition, a conventional paged index appears on pages 2 and 3.

Scientific and Statistical Reports for 1965 | Hospital Organization for 1966  
St. Luke's Hospital Center | Amsterdam Ave. & 114th St., New York, N. Y.

# Contents

## Hospital Organization

Board of Trustees	5
Committees of the Board	6
St. Luke's Hospital Auxiliary	8
Assistant Board	11
Medical Board	12
Standing Committees of the Medical Board	14
Special Committees of the Medical Board	16
Administrative Staff	19
Hospital Volunteers	20

## Service Reports

Anesthesia 25  
Dermatology 27  
Medicine 31  
Obstetrics & Gynecology 59  
Oral Surgery & Dentistry 73  
Orthopedics 75  
Otolaryngology 79  
Pathology 85  
Pediatrics 87  
Physical Medicine 93  
Psychiatry 97  
Radiology 105  
Surgery 111  
Urology 125  
The Medical Staffs 127  
House Staff 141  
Scientific Publications 145  
Nursing Service 153  
School of Nursing Report 155  
The Nursing Staff 157  
Organizations 161

## Finance & Statistics

St. Luke's Hospital Center:  
Balance Sheet 164  
Income/Expense Statement 166  
Gift Record 169  
Patient Statistics 181  
Woman's Hospital:  
Gift Record 191



## Officers

*Chairman of the Board:*  
Jarvis Cromwell

*President:*

A. Varick Stout

*Chairman of the*

*Executive Committee:*

Henry B. Guthrie

*Vice President:*

J. Huntington Babcock

*Vice President:*

Clarence G. Michalis

*Vice President and*

*Assistant Secretary:*

Daniel P. Davison

*Treasurer:*

Jan Rensselaer Halsey

*Secretary:*

David T. McGovern

## Board of Trustees

*(whose terms expire respectively at the close of the annual meeting of the corporation in the following years)*

### 1966

F. Huntington Babcock

Charles E. Brown

W. Macy Chamberlin

Daniel P. Davison

Van R. Halsey

Clarence G. Michalis

Perry R. Pease

Mrs. Clendenin J. Ryan

William J. Trent, Jr.

Arnold Whitridge

Frederick J. Woodbridge

### 1967

Mrs. John S. Burke, Jr.

Jarvis Cromwell

William L. Crow

† Charles E. Dunlap

Mrs. J. Winston Fowlkes

Henry B. Guthrie

Kenneth A. Ives

Clifford W. Michel

Donald G. Price

Henry R. Sutphen, Jr.

John W. F. Treadwell, C.B.E.

### 1968

Mrs. Simmons Coleman

Mrs. Howland S. Davis

John P. Humes

Peter Iselin

David T. McGovern

Clarence G. Michalis

Ricard R. Ohrstrom

Eben W. Pyne

Walter N. Rothschild, Jr.

Frederick Sheffield

A. Varick Stout

## Trustees Ex-Officio

*Representatives of*

*St. George's Society:*

Maurice G. Burnett

David Granger

*The Bishop of the Diocese of New York:*

The Right Reverend

Horace W. B. Donegan,

D.D., D.C.L.

*The Mayor of the*

*City of New York:*

The Honorable

John V. Lindsay

*The President of the*

*Medical Board:*

William S. Norton II, M.D.

*The President of*

*St. Luke's Hospital Auxiliary:*

Mrs. John P. Lins

*The Chairman of the*

*Woman's Hospital*

*Assistant Board:*

Mrs. Clendenin J. Ryan

## Honorary Trustees

† J. Stewart Baker

Mrs. Douglas M. Black

† Edward S. Blagden

Charles S. Brown

Mrs. Mellon Bruce

Chauncey B. Garver

Frederic R. King, F.A.I.A.

Hiram A. Mathews

Mrs. Harold R. Mixsell

William A. Read

William J. Schieffelin

Mrs. Walbridge S. Taft

Schuyler Van Vechten

Samuel B. Webb

*Counsel:*

Appleton, Rice & Perrin

*Executive Director of the*

*Hospital Center:*

Charles W. Davidson,

B.A., C.P.A.

† Deceased

## **Board of Trustees, Standing Committees**

### **Executive Committee**

Charles E. Brown  
Mrs. John S. Burke, Jr.  
W. Macy Chamberlin  
Mrs. J. Winston Fowlkes  
Frederick Sheffield  
Henry R. Sutphen, Jr.  
Arnold Whitridge

(Officers of the Hospital and  
the President of the Medical Board,  
all ex-officio)

### **Finance Committee**

Clifford W. Michel, *Chairman*  
F. Huntington Babcock  
Daniel P. Davison  
Van R. Halsey  
Clarence F. Michalis  
Clarence G. Michalis  
Ricard R. Ohrstrom  
Perry R. Pease

### **Committee on Budget and Personnel**

W. Macy Chamberlin, *Chairman*  
Mrs. John S. Burke, Jr.  
John P. Humes  
David T. McGovern  
Clarence F. Michalis  
Henry R. Sutphen, Jr.  
William J. Trent, Jr.

### **Building Committee**

Clarence G. Michalis, *Chairman*  
Mrs. John B. Aspegren  
Charles E. Brown  
Mrs. John S. Burke, Jr.  
William L. Crow  
\*Mrs. Thomas A. Ennis  
Mrs. J. Winston Fowlkes  
Henry B. Guthrie  
Frederic R. King  
\*Mrs. Edgar L. Marston, II  
Walter N. Rothschild, Jr.  
Mrs. Clendenin J. Ryan  
Frederick J. Woodbridge



**Committee on Hospital Decorating**

Mrs. J. Winston Fowlkes, *Chairman*

Mrs. Simmons Coleman

\*Mrs. Clarence G. Michalis

\*Mrs. Carl Oakman

\*John P. West, M.D.

**Joint Conference Committee**

A Varick Stout, *Chairman (ex-officio)*

F. Huntington Babcock

W. Macy Chamberlin

Jarvis Cromwell

Daniel P. Davison

Henry B. Guthrie

Van R. Halsey

David T. McGovern

Clarence G. Michalis

\*Charles W. Davidson

**Medical Board:**

Alexander E. W. Ada, M.D.

William S. Norton II, M.D.

Stuart S. Stevenson, M.D.

Harold M. M. Tovell, M.D.

Theodore B. Van Itallie, M.D.

Myron Wright, M.D.

Harold A. Zintel, M.D.

**Committee on Legal Affairs**

Frederick Sheffield, *Chairman*

Henry B. Guthrie

David T. McGovern

**Nominating Committee**

Charles E. Brown, *Chairman*

Daniel P. Davison

John P. Humes

David T. McGovern

Clarence F. Michalis

Eben W. Pyne

Frederick Sheffield

**Committee on Nursing**

Arnold Whitridge, *Chairman*

Mrs. Simmons Coleman

Peter Iselin

Kenneth A. Ives

\*Miss Erica Kohler

\*Miss Eleanor Lambertson

Henry R. Sutphen, Jr.

\*Miss Mary Tyrie

**Planning Committee**

Henry R. Sutphen, Jr., *Chairman*

Mrs. Simmons Coleman

Clarence F. Michalis

Perry R. Pease

Walter N. Rothschild, Jr.

**Committee on****Public Relations and Fund Raising**

Kenneth A. Ives, *Chairman*

†J. Stewart Baker

Charles E. Brown

\*Mrs. Edward P. Childs

Jarvis Cromwell

Daniel P. Davison

Mrs. J. Winston Fowlkes

\*Francis G. Geer, M.D.

David Granger

\*Mrs. Edmund C. Lynch, Jr.

Clifford W. Michel

Ricard R. Ohrstrom

Perry R. Pease

Eben W. Pyne

Henry R. Sutphen, Jr.

\*The Rev. Carleton J. Sweetser

The Brig. J. W. F. Treadwell

**Committee on Religious Services**

The Brig. J. W. F. Treadwell, *Chairman*

Mrs. Howland S. Davis

The Right Rev. Horace W. B. Donegan,  
D.D., D.C.L.

Mrs. J. Winston Fowlkes

Kenneth A. Ives

Clarence G. Michalis

\*The Rev. Carleton J. Sweetser

†Deceased

\*By Invitation

## **St. Luke's Hospital Auxiliary**

### **Officers**

#### **May 1966-1967**

##### *President:*

Mrs. John P. Lins

##### *1st Vice-President:*

Mrs. J. Winston Fowlkes

##### *2nd Vice-President:*

Mrs. John P. West

##### *Treasurer:*

Miss Gertrude R. Hoyt

##### *Recording Secretary:*

Mrs. C. Louis Gilbert

##### *Corresponding Secretary:*

Mrs. Theron O. Worth, Jr.

### **Chairmen of Standing Committees**

#### *Church:*

Mrs. James A. Paul

#### *Executive:*

Mrs. John P. Lins

#### *Library:*

Mrs. Lawrence Chamberlain

#### *Social Service:*

Mrs. Haig Carapetyan

#### *Membership:*

Mrs. Simmons Coleman

#### *Thrift Shop:*

Mrs. Robert D. McCoun

#### *Gift Shop:*

Mrs. John P. West

#### *Volunteers: Co-Chairmen:*

Mrs. Jeremiah Clarke

Mrs. Merl L. Rouse

#### *United Hospital Fund:*

Mrs. Bondy Mackie

### **Chairmen of Special Committees**

#### *Decorating:*

Mrs. J. Winston Fowlkes

#### *Special Events: Co-Chairmen:*

Mrs. J. Winston Fowlkes

Mrs. John McN. Sullivan

#### *Annual Luncheon Fashion Show:*

Mrs. Roland W. Donnem

#### *Senior Ball: Co-Chairmen:*

Mrs. Robert Edmunds

Mrs. Horace Hurley

#### *Housekeeping:*

Mrs. Simmons Coleman

#### *Out-Patient Department:*

Miss Gertrude R. Hoyt

#### *Pediatric:*

Mrs. Carl S. Oakman

### **Active Members**

#### **Class of 1964-1967**

Mrs. A. L. Loomis Bell, Jr.

Mrs. Curtis Bird

Mrs. Elizabeth S. Bishop

Miss Virginia Black

Mrs. Haig Carapetyan

Mrs. Jeremiah Clarke

Mrs. G. Jarvis Coffin

Mrs. Simmons Coleman

Mrs. Frederick S. Gilbert, Jr.

Mrs. Roland Goode

Mrs. Randolph Guthrie

Mrs. Horace Hurley

Mrs. William H. Lynn, Jr.

Mrs. Bondy Mackie

Mrs. Edward J. McGrew, Jr.

Mrs. Darbey Perry

Mrs. Jacob Gould Schurman

**Class of 1965-1968**

Miss Edythe S. Clarke  
 Mrs. George Allen Fowlkes  
 Mrs. Gouverneur Carnochan\*  
 Miss Eleanor Greenan  
 Miss Gertrude R. Hoyt  
 Mrs. William T. Medl  
 Mrs. Clarence G. Michalis  
 Mrs. John F. Nixon  
 Mrs. Edward A. O'Neill  
 Mrs. James A. Paul  
 Mrs. Merl L. Rouse  
 Mrs. Charles F. Schetlin  
 Mrs. Edwin P. Stevens  
 Mrs. Hilton H. Stothers  
 Mrs. Mitchel J. Valicenti, Jr.  
 Mrs. Theodore B. Van Itallie  
 Mrs. John P. West  
 Mrs. Theron O. Worth, Jr.

**Class of 1966-1969**

Mrs. Lawrence Chamberlain  
 Mrs. William Davidson  
 Mrs. Roland W. Donnem  
 Mrs. Charles E. Dunlap  
 Mrs. Robert Edmunds  
 Mrs. William Eldridge  
 Mrs. J. Winston Fowlkes  
 Mrs. Robert W. Fraser, Jr.  
 Mrs. H. Clifford Gayley  
 Mrs. Charles H. Gilbert  
 Mrs. C. Louis Gilbert  
 Mrs. Wheadon M. Grant  
 Mrs. Courtney H. Haight  
 Mrs. Charles F. Hamrick  
 Mrs. Leland B. Henry  
 Mrs. John P. Lins  
 Mrs. Robert D. McCoun,  
 Mrs. Clifford W. Michel  
 Mrs. Salvador Ros

**Honorary Members**

Miss Elizabeth Beebe  
 Mrs. Lyman C. Bleecker  
 Miss Adele F. Browning  
 Mrs. Edward B. Bruch  
 Mrs. Henry Sloane Coffin  
 Mrs. Lewis F. Frissell  
 Mrs. Joseph S. Minnis

**Associate Members**

Miss Frances M. Achilles  
 Mrs. Alexander E. W. Ada  
 Mrs. J. Stewart Baker  
 Mrs. John H. Bancker  
 Mrs. Leslie P. Barker  
 Mrs. Robert G. Barnes  
 Mrs. Robert S. Beekman  
 Miss Susan D. Bliss  
 Mrs. Arthur H. Bunker  
 Mrs. G. Edgar Burford  
 Mrs. Reginald Conklin  
 Miss Mildred P. Coster  
 Mrs. Jarvis Cromwell  
 Mrs. Russel Crouse  
 Mrs. Charles W. Davidson  
 Mrs. Edward J. Donovan  
 Mrs. Dumont F. Elmendorf  
 Mrs. Henry Leroy Finch  
 Miss Celestine P. Finley  
 Miss Leonora M. Finley  
 Mrs. Hugh F. Fitzpatrick  
 Mrs. Francis G. Geer  
 Mrs. Harold E. Herrick  
 Mrs. James C. Joyner  
 Mrs. Leonard Leeming  
 Mrs. Edmund C. Lynch, Jr.  
 Mrs. William F. MacFee  
 Mrs. Lawrence M. Marks  
 Mrs. Flagler Matthews  
 Mrs. John McD. McKinney  
 Miss Eleanor M. Mellon  
 Mrs. Malcolm Moley  
 Mrs. Ellis M. Moore  
 Mrs. Reginald L. Murphey  
 Mrs. Thomas J. Nolan  
 Mrs. Charles J. Nourse

\*Deceased

## St. Luke's Hospital Auxiliary

(continued)

Mrs. Carl S. Oakman  
Miss Gene S. Palmer  
Mrs. John C. Pemberton  
Mrs. William C. Riker  
Mrs. Theodore C. Romaine  
Mrs. David Rumsey  
Mrs. Cooper Schieffelin  
Mrs. William J. Schieffelin  
Mrs. Harold W. Scott  
Mrs. Joseph Seronde, Sr.  
Mrs. George Shea, Jr.  
Mrs. Frederick Sheffield  
Mrs. Earl W. Shepherd  
Mrs. Lansing P. Shield  
Mrs. Arthur R. Slothower  
Mrs. Herbert J. Smith  
Mrs. Richard B. Stark  
Mrs. Edwin S. S. Sunderland  
Mrs. W. Leicester Van Leer  
Mrs. Thomas J. Watson\*  
Mrs. F. Stafford Wearn  
Mrs. James McB. Webster  
Mrs. Joseph W. Welsh  
Mrs. Walter G. Young  
Mrs. Harold A. Zintel

## Friends of St. Luke's

Mrs. Adolf Axelrath  
Mrs. William G. Bibb  
Mrs. Gilman D. Blake  
Mrs. Edward P. Childs  
Mrs. Hope Coburn  
Mrs. D. Robert Cumming  
Miss Constance Cutler  
Mrs. Howard W. Dunk  
Mrs. Hilda Gelabert  
Mrs. George M. Goodwin  
Mrs. Albert C. Herring  
Mrs. Ora Hickey  
Mrs. Jed H. Irvine  
Mrs. S. J. Isaacson  
Miss M. Adeline Knapp  
Mrs. M. A. Koether  
Mrs. Eugene Lada-Mocarski  
Mrs. Leslie G. Lithgow  
Mrs. Ernest R. Mantius  
Mrs. John B. Marsh  
Mrs. M. H. Merriman\*  
Mrs. Frederick M. Morris  
Miss Helen E. Musson  
Mrs. Robert G. Page  
Mrs. Donald B. Percy  
Mrs. D. Paul Reed  
Mrs. Cornelius P. Trowbridge  
Mrs. Schuyler Van Vechten  
Mrs. Robert H. White

\*Deceased

## Assistant Board / Woman's Hospital

### Officers

*Honorary Chairman:*

Mrs. Walbridge S. Taft

*Chairman:*

Mrs. Clendenin J. Ryan

*1st Vice-Chairman:*

Mrs. John McN. Sullivan

*2nd Vice-Chairman:*

Mrs. Robert McN. Smith

*Secretary:*

Mrs. Harold F. McGuire

*Treasurer:*

Mrs. John B. Aspegren

### Chairmen of

#### Standing Committees

*Century Fund:*

Mrs. Howland S. Davis

*Decorating:*

Mrs. Charles M. Clark

Mrs. John McN. Sullivan

Mrs. Walter Rice Brewster

Mrs. Frederic C. Peck

*Gift Shop:*

Mrs. Charles M. Clark

Mrs. Frank MacLear

*Housekeeping:*

Mrs. Walter Rice Brewster

Mrs. John B. Aspegren

Mrs. George Grant Snowden, Jr.

Mrs. Thomas A. Ennis

*Library:*

Mrs. Harold F. McGuire

Mrs. George C. deKay

*Nominating Committee:*

Mrs. Walbridge S. Taft

*Nursing:*

Mrs. Harold F. McGuire

Mrs. Montague H. Hackett, Jr.

*Special Events:*

Mrs. John McN. Sullivan

*United Hospital Fund:*

Mrs. Peter Iselin

Mrs. Walbridge S. Taft

Mrs. Frederic C. Peck

Mrs. Douglas M. Black

### Representatives on

#### St. Luke's Committees

*Budget and Personnel:*

Mrs. John S. Burke, Jr.

*Building Committee:*

Mrs. John S. Burke, Jr.

Mrs. Clendenin J. Ryan

Mrs. John B. Aspegren

*Executive Committee:*

Mrs. John S. Burke, Jr.

### Active Members

Mrs. Russell B. Aitken

Mrs. John B. Aspegren

Mrs. Douglas M. Black

Mrs. Walter Rice Brewster

Mrs. Mellon Bruce

Mrs. John S. Burke, Jr.

Mrs. Charles Martin Clark

Mrs. Howland S. Davis

Mrs. George C. deKay

Mrs. Thomas A. Ennis

Mrs. Montague H. Hackett, Jr.

\*Mrs. Frederic G. Hoppin

Mrs. L. Stoddard Horn

Mrs. Peter Iselin

Mrs. Frank MacLear

Mrs. Harold F. McGuire

Mrs. Edgar L. Marston, II

Mrs. Hunter S. Marston

Mrs. Harold Ruckman Mixsell

Mrs. Frederic C. Peck

Mrs. Clendenin J. Ryan

Mrs. Robert McN. Smith

Mrs. George Grant Snowden, Jr.

Mrs. John McN. Sullivan

Mrs. Walbridge S. Taft

### Honorary Members

Mrs. Theodore Abel

Mrs. George Whitney Martin

Mrs. T. Thorne McLane

\*Resigned

## Medical Board

### Officers

#### *President:*

William S. Norton, II, M.D.

#### *Vice-President:*

Myron Wright, M.D.

#### *Secretary:*

Edward J. Sivigny, M.D.

### Members

Alexander E. W. Ada, M.D.

Charles G. Adsit, Jr., M.D.

Albert H. Aldridge, M.D.

Luis A. Amill, M.D.

Orrin E. Anderson, M.D.

Eugene R. Ball, D.D.S.

Benjamin H. Balser, M.D.

Leslie P. Barker, M.D.

Irving H. Beckwith, M.D.

Robert S. Beekman, M.D.

Charles F. Begg, M.D.

A. L. Loomis Bell, Jr., M.D.

G. Gordon Bemis, M.D.

John F. Bertles, M.D.

Charles R. Blair, M.D.

Louis S. Blancato, M.D.

Charles K. Bogoshian, M.D.

Peter A. Bossart, M.D.

David M. Bosworth, M.D.

William O. Buell, M.D.

Edward A. Bullard, M.D.

C. Edgar Burford, M.D.

Haig Carapetyan, M.D.

Malcolm W. Carr, D.D.S.

Anthony S. Caruso, D.D.S.

Robert B. Case, M.D.

Edward P. Childs, M.D.

Graham Clark, M.D.

Mather Cleveland, M.D.

G. Jarvis Coffin, M.D.

John M. Cotton, M.D.

Ruth J. Cudmore, M.D.

Frank J. Curran, M.D.

Harold W. K. Dargeon, M.D.

Arthur M. Davids, M.D.

\*Charles W. Davidson

Joshua W. Davies, M.D.

John Staige Davis, Jr., M.D.

Clayton R. De Haan, M.D.

George Dermksian, M.D.

Edward J. Donovan, M.D.

John W. Draper, M.D.

J. Frederick Eagle, Jr., M.D.

Robert Edmunds, M.D.

Harry Eggers, M.D.

William Epstein, M.D.

A. Reginald Everett, M.D.

Francis J. Faggella, D.D.S.

Waldo B. Farnum, M.D.

James A. Feltman, M.D.

William Ferderber, D.D.S.

J. William Fielding, M.D.

Nathaniel Finby, M.D.

Hugh F. Fitzpatrick, M.D.

Robert W. Fraser, Jr., M.D.

Francis G. Geer, M.D.

C. Louis Gilbert, M.D.

Maurice F. Goodbody, M.D.

Leonora L. Greteman, M.D.

Louis G. Haase, D.D.S.

Sami A. Hashim, M.D.

Graham G. Hawks, M.D.  
 Samuel D. Hemley, M.D.  
 Herbert F. Hempel, M.D.  
 Albert C. Herring, M.D.  
 Reginald A. Higgons, M.D.  
 John G. Hill, M.D.  
 James G. Hilton, M.D.  
 Elizabeth B. Hinckley, M.D.  
 Walter Hipp, M.D.  
 Eugene L. Hoch, M.D.  
 †George F. Hoch, M.D.  
 Frederick C. Hunt, M.D.  
 Leonard L. Hyams, M.D.  
 Jed H. Irvine, M.D.  
 Herbert F. Jackson, M.D.  
 Carl T. Javert, M.D.  
 F. Elmer Johnson, M.D.  
 Ira S. Jones, M.D.  
 Oswald R. Jones, M.D.  
 Virginia Kanick, M.D.  
 John H. Keating, Jr., M.D.  
 Richard P. Keating, M.D.  
 James C. Kirkbright, M.D.  
 Richard D. Kittredge, M.D.  
 Henriette Klein, M.D.  
 Emanuel Klempner, M.D.  
 W. Graham Knox, M.D.  
 Juan Larralde, M.D.  
 Van Peter Latsey, M.D.  
 Russell W. Lavengood, Jr., M.D.  
 Leonard M. Liegner, M.D.  
 Earl A. Loomis, M.D.  
 David M. MacDonald, M.D.  
 William F. MacFee, M.D.  
 Locke L. MacKenzie, M.D.  
 James P. Marr, M.D.  
 Ashby G. Martin, M.D.  
 Robert McClanahan, M.D.  
 Colin W. McCord, M.D.  
 Duncan R. McCuaig, M.D.  
 Victor C. McCuaig, M.D.  
 Margaret H. McKee, M.D.  
 John M. McKinney, M.D.  
 Paul C. Morton, M.D.  
 Leon Motyloff, M.D.  
 E. Eugene Mullen, M.D.  
 Arthur J. Murphy, M.D.  
 Bernard N. Nathanson, M.D.  
 Joseph N. Nathanson, M.D.  
 William S. Norton, II, M.D.

Carl S. Oakman, M.D.  
 Bernard L. Pacella, M.D.  
 Herbert Parsons, M.D.  
 †Boris P. Petroff, M.D.  
 Constantine Photos, M.D.  
 William J. Pyles, M.D.  
 Harry Reiss, M.D.  
 Elise L. Renning, M.D.  
 Henry G. Rieger, D.D.S.  
 Nelson B. Sackett, M.D.  
 Charles F. Schetlin, M.D.  
 Fred J. Schilling, M.D.  
 Miles J. Schwartz, M.D.  
 James R. Scott, M.D.  
 Edward J. Sivigny, M.D.  
 Craig N. Smith, M.D.  
 Frank E. Smith, Jr., M.D.  
 Maxcy Jean Smith, M.D.  
 Robert F. Solley, M.D.  
 Frank Spielman, M.D.  
 Patricia E. Spier, M.D.  
 Edward G. Stanley-Brown, M.D.  
 Richard B. Stark, M.D.  
 Stuart S. Stevenson, M.D.  
 Hilton H. Stothers, M.D.  
 Edward Stroh, D.D.S.  
 John A. Taylor, M.D.  
 Samuel F. Thomas, M.D.  
 Frederick R. Thompson, M.D.  
 Harold M. M. Tovell, M.D.  
 Aino Tuul, M.D.  
 Theodore B. Van Itallie, M.D.  
 Esther M. Ward, M.D.  
 Elizabeth B. Watkins, M.D.  
 F. Stafford Wearn, M.D.  
 Howard K. Weisberg, M.D.  
 John P. West, M.D.  
 Doris L. Wethers, M.D.  
 Stanley Whitfield, M.D.  
 Aubrey L. Whittemore, Jr., M.D.  
 Leo F. J. Wilking, Jr., M.D.  
 Hudson Jennings Wilson, M.D.  
 Edward M. Winant, M.D.  
 Myron Wright, M.D.  
 Alexander W. Young, Jr., M.D.  
 Shyh-Jong Yue, M.D.  
 Harold A. Zintel, M.D.

\*By Invitation

†Deceased



## Standing Committees of the Medical Board—1966

### Executive Committee

William S. Norton II, M.D., *Chairman*  
Robert S. Beekman, M.D.  
Charles F. Begg, M.D.  
A. L. Loomis Bell, Jr., M.D.  
John M. Cotton, M.D.  
Arthur M. Davids, M.D.  
\*Charles W. Davidson  
John W. Draper, M.D.  
Nathaniel Finby, M.D.  
Graham G. Hawks, M.D.  
W. Graham Knox, M.D.  
Stuart S. Stevenson, M.D.  
Harold M. M. Tovell, M.D.  
Theodore B. Van Itallie, M.D.  
Elizabeth B. Watkins, M.D.  
John P. West, M.D.  
Leo F. J. Wilking, Jr., M.D.  
Harold A. Zintel, M.D.

### Nominating Committee

John P. West, M.D., *Chairman*  
John H. Keating, Jr., M.D.  
Elise L. Renning, M.D.

### Committee on

#### Blood Transfusions and Solutions

Myron Wright, M.D., *Chairman*  
Luis A. Amill, M.D.  
John F. Bertles, M.D.  
Louis S. Blancato, M.D.  
Hugh F. Fitzpatrick, M.D.  
Graham G. Hawks, M.D.  
Russell W. Lavengood, Jr., M.D.  
\*Albert De Natale, Ph.G., Ph.C.  
*Administrative Director, Blood Bank*

\*By Invitation

#### Committee on By-Laws and Rules and Regulations

Edward P. Childs, M.D., *Chairman*  
A. L. Loomis Bell, Jr., M.D.  
Haig Carapetyan, M.D.  
John M. Cotton, M.D.  
John W. Draper, M.D.  
Paul C. Morton, M.D.  
Theodore B. Van Itallie, M.D.  
John P. West, M.D.  
Myron Wright, M.D.

### Committee on Diets

C. Louis Gilbert, M.D., *Chairman*  
\*Gilbert R. Cherrick, M.D.  
\*Charles W. Davidson  
Sami A. Hashim, M.D.  
\*Peter R. Holt, M.D.  
Elise L. Renning, M.D.  
\*William H. Sebrell, Jr., M.D.  
Elizabeth B. Watkins, M.D.  
F. Stafford Wearn, M.D.  
\*George O'Leary  
*Director of Food Services*

### Committee on Interns and Residents

Robert S. Beekman, M.D., *Chairman*  
Benjamin H. Balser, M.D.  
\*Charles W. Davidson  
George Dermksian, M.D.  
Graham G. Hawks, M.D.  
Russell W. Lavengood, Jr., M.D.  
Margaret H. McKee, M.D.  
Edward G. Stanley-Brown, M.D.  
Howard K. Weisberg, M.D.

### Joint Conference Committee

Alexander E. W. Ada, M.D.  
William S. Norton, II, M.D.  
Stuart S. Stevenson, M.D.  
Harold M. M. Tovell, M.D.  
Theodore B. Van Itallie, M.D.  
Myron Wright, M.D.  
Harold A. Zintel, M.D.

#### Board of Trustees:

F. Huntington Babcock  
W. Macy Chamberlin  
Jarvis Cromwell  
Daniel P. Davison  
Henry B. Guthrie  
Van R. Halsey  
David T. McGovern  
Clarence G. Michalis  
A. Varick Stout  
\*Charles W. Davidson

\*By Invitation

### **Committee on Medical Records and Library**

F. Stafford Wearn, M.D., *Chairman*  
 Clayton R. DeHaan, M.D.  
 William Ferderber, D.D.S.  
 Francis G. Geer, M.D.  
 \*E. Grey Gooby  
 Eugene L. Hoch, M.D.  
 Leonard L. Hyams, M.D.  
 David M. MacDonald, M.D.  
 Margaret H. McKee, M.D.  
 Aubrey L. Whittemore, Jr., M.D.  
 Hudson J. Wilson, M.D.  
 \*Rachael Ambruoso, B.A.  
 \*A. Rose Taddonio, R.R.L.  
 \*Helen Umano, R.N., B.S., M.A.  
*Director, Nursing Service*

### **Committee on Nursing**

Charles G. Adsit, Jr., M.D., *Chairman*  
 William O. Buell, M.D.  
 Robert Edmunds, M.D.  
 Henriette Klein, M.D.  
 \*Robert E. McCabe, Jr., M.D.  
 Robert McClanahan, M.D.  
 Colin W. McCord, M.D.  
 E. Eugene Mullen, M.D.  
 Miles J. Schwartz, M.D.  
 Elizabeth B. Watkins, M.D.  
 \*Evelyn M. Peck, R.N., B.S., M.A.  
*Director, School of Nursing*  
 \*Helen Umano, R.N., B.S., M.A.  
*Director, Nursing Service*

### **Committee on Out-Patient Department**

W. Graham Knox, M.D., *Chairman*  
 \*John S. Aldridge, M.D.  
 Eugene R. Ball, D.D.S.  
 \*Hugh C. Davidson, M.D.  
 Maurice F. Goodbody, M.D.  
 Richard D. Kittredge, M.D.  
 Van P. Latsey, M.D.  
 Harry Reiss, M.D.  
 Edward G. Stanley-Brown, M.D.  
 \*Paul R. Torrens, M.D.  
 Elizabeth B. Watkins, M.D.  
 Stanley Whitfield, M.D.  
 Edward M. Winant, M.D.  
 \*Harriet Ensign, R.N.  
*Director of Admissions*  
 \*Dorothy Wild, R.N.  
*Director of Out-Patient Department*

### **Committee on Pharmacy and Formulary**

Charles G. Adsit, Jr., M.D., *Chairman*  
 Haig Carapetyan, M.D.  
 \*Charles W. Davidson  
 George Dermksian, M.D.  
 Harry Eggers, M.D.  
 James A. Feltman, M.D.  
 Robert W. Fraser, Jr., M.D.  
 \*Michael H. Grieco, M.D.  
 James G. Hilton, M.D.  
 Jed H. Irvine, M.D.  
 Juan Larralde, M.D.  
 Frank Spielman, M.D.  
 Samuel F. Thomas, M.D.  
 Aino Tuul, M.D.  
 Doris L. Wethers, M.D.  
 \*Hugo V. de Caprariis, B.S.  
*Chief Pharmacist*

### **Committee on Private Patients and Courtesy List**

Francis G. Geer, M.D., *Chairman*  
 \*Charles W. Davidson  
 A. Reginald Everett, M.D.  
 J. William Fielding, M.D.  
 Earl A. Loomis, M.D.  
 Carl S. Oakman, M.D.  
 Leo F. J. Wilking, Jr., M.D.

\*By Invitation

## Special Committees

### Committee on Animal Care

Charles F. Begg, M.D., *Chairman*  
John W. Draper, M.D.  
Hugh F. Fitzpatrick, M.D.  
James G. Hilton, M.D.

### Archives Committee

Richard B. Stark, M.D., *Chairman*  
Luis A. Amill, M.D.  
George E. Burford, M.D.  
John H. Keating, Jr., M.D.  
Duncan R. McCuaig, M.D.  
Paul C. Morton, M.D.  
Nelson B. Sackett, M.D.  
Hilton H. Stothers, M.D.

### Committee on Management of Communicable Diseases and Infection Control

Charles K. Bogoshian, M.D., *Chairman*  
Charles F. Begg, M.D.  
\*Donald P. Dallas, M.D.  
\*Charles W. Davidson  
\*Michael H. Grieco, M.D.  
Elise L. Renning, M.D.  
Stuart S. Stevenson, M.D.  
Harold A. Zintel, M.D.  
\*Helen Umano, R.N., B.S., M.A.  
*Director, Nursing Service*  
\*Victor Bokkenheuser, M.D.  
*Assistant Director of  
Laboratories (Microbiology)*

### Disaster Committee

Robert Edmunds, M.D., *Chairman*  
Louis S. Blancato, M.D.  
\*Charles W. Davidson  
J. William Fielding, M.D.  
C. Louis Gilbert, M.D.  
\*F. Dennis Harrington  
\*Paul R. Torrens, M.D.  
Stanley Whitfield, M.D.  
\*Carl P. Wright, Jr.  
\*Helen Umano, R.N., B.S., M.A.  
*Director, Nursing Service*  
\*Marcia Weed Keyes, R.N., B.S., M.A.  
*Coordinator, Exchange Visitor Program*

### Committee on Home Care

Charles K. Bogoshian, M.D., *Chairman*  
Carl S. Oakman, M.D.  
\*Paul R. Torrens, M.D.  
Shyh-Jong Yue, M.D.  
\*Louise Candland, R.N.,  
*Home Care Coordinator*

### Intensive Care Unit Committee

\*\*Hugh F. Fitzpatrick, M.D., *Chairman*  
\*\*A. L. Loomis Bell, Jr., M.D.  
Louis S. Blancato, M.D.  
Edward P. Childs, M.D.  
\*Charles W. Davidson  
Colin W. McCord, M.D.  
Stanley Whitfield, M.D.  
\*Helen Umano, R.N., B.S., M.A.  
*Director, Nursing Service*

### Laboratory Committee

Charles F. Begg, M.D., *Chairman*  
Maurice F. Goodbody, M.D.  
W. Graham Knox, M.D.

### Medical Audit Committee

John H. Keating, Jr., M.D., *Chairman*  
Charles R. Blair, M.D.  
Edward J. Sivigny, M.D.

### Committee on Morningside House

Francis G. Geer, M.D., *Chairman*  
Hugh F. Fitzpatrick, M.D.  
James A. Feltman, M.D.

### Operating Room Committee

Harold A. Zintel, M.D., *Chairman*  
Louis S. Blancato, M.D.  
\*Charles W. Davidson  
John W. Draper, M.D.  
Harry Eggers, M.D.  
Edward Stroh, D.D.S.  
Frederick R. Thompson, M.D.  
Harold M. M. Tovell, M.D.  
John P. West, M.D.  
Stanley Whitfield, M.D.  
\*Hilda Pereira, R.N., B.S.  
*Assistant Director, Nursing Service,  
Operating Rooms*  
\*Averil Lawrence, R.N.  
*Supervisor, Operating Rooms*  
\*By Invitation  
\*\*As Representatives of their respective  
Directors of Service

### **Patient Safety Committee**

Miles J. Schwartz, M.D., *Chairman*  
Edward G. Stanley-Brown, M.D.  
Arthur M. Davids, M.D.  
Hudson J. Wilson, M.D.

\*Joan Backus, R.N., B.S., M.A.  
*Associate Director, Nursing Service*

### **Committee on Physical Medicine**

Edward M. Winant, M.D., *Chairman*  
Peter A. Bossart, M.D.

\*Robert S. Graham, M.D.  
Jed H. Irvine, M.D.  
Richard B. Stark, M.D.  
Hudson J. Wilson, M.D.

\*By Invitation

### **Committee on Private Practice Offices**

A. L. Loomis Bell, Jr., M.D., *Chairman*  
Orrin E. Anderson, M.D.  
Peter A. Bossart, M.D.

\*Charles W. Davidson  
Francis J. Faggella, D.D.S.  
\*E. Grey Gooby

\*Charles Ray Jones, M.D.  
Bernard N. Nathanson, M.D.

\*Edward H. Reisner, Jr., M.D.  
Richard B. Stark, M.D.

### **Joint Committee for Professional Care —Columbia University Health Service**

C. Louis Gilbert, M.D., *Chairman*  
Harry Eggers, M.D.  
James A. Feltman, M.D.  
David M. MacDonald, M.D.  
Charles F. Schetlin, M.D.

### **Committee on Public Relations**

Robert S. Beekman, M.D., *Chairman*  
Edward J. Sivigny, M.D.  
Hilton H. Stothers, M.D.

\*Donald I. Selby  
*Director, Public Relations and  
Development*

### **Radio-Isotope Committee**

Richard P. Keating, M.D., *Chairman*  
Charles F. Begg, M.D.  
John F. Bertles, M.D.  
Nathaniel Finby, M.D.  
Virginia Kanick, M.D.  
Leonard M. Liegner, M.D.

\*Richard N. Pierson, Jr., M.D.  
Harold M. M. Tovell, M.D.

\*Morris Hodara, A.B., M.S., *Physicist*

### **Committee on Study and Planning**

John P. West, M.D., *Chairman*  
Robert S. Beekman, M.D.  
Edward P. Childs, M.D.  
John M. Cotton, M.D.

\*Charles W. Davidson  
Edward J. Sivigny, M.D.  
Richard B. Stark, M.D.  
Theodore B. Van Itallie, M.D.  
Myron Wright, M.D.

### **Committee on Teaching Affiliation With College of Physicians and Surgeons**

Edward P. Childs, M.D.  
John M. Cotton, M.D.

\*Charles W. Davidson  
Stuart S. Stevenson, M.D.  
Harold M. M. Tovell, M.D.  
Theodore B. Van Itallie, M.D.  
Harold A. Zintel, M.D.

### **Committee on Therapeutic Abortion**

Harold M. M. Tovell, M.D., *Chairman*  
John M. Cotton, M.D.  
Theodore B. Van Itallie, M.D.

### **Tissue Committee**

Charles F. Begg, M.D., *Chairman*  
Robert Edmunds, M.D.  
Edward J. Sivigny, M.D.  
Richard B. Stark, M.D.

### **Tumor Committee**

Leonard M. Liegner, M.D., *Chairman*  
\*John S. Aldridge, M.D.  
Charles F. Begg, M.D.  
John F. Bertles, M.D.  
Harold W. K. Dargeon, M.D.  
Robert Edmunds, M.D.  
Nathaniel Finby, M.D.  
Juan Larralde, M.D.  
Duncan R. McCuaig, M.D.  
\*Edward H. Reisner, Jr., M.D.  
Charles F. Schetlin, M.D.  
Harold M. M. Tovell, M.D.

\*By Invitation

### Utilization Review Committee

Robert W. Fraser, Jr., M.D., *Chairman*  
Eugene R. Ball, D.D.S.  
Charles F. Begg, M.D.  
Louis S. Blancato, M.D.  
William O. Buell, M.D.  
Graham Clark, M.D.  
John M. Cotton, M.D.  
Nathaniel Finby, M.D.  
Hugh F. Fitzpatrick, M.D.  
Leonora L. Greteman, M.D.  
Ira S. Jones, M.D.  
Virginia Kanick, M.D.  
Russell W. Lavengood, Jr., M.D.  
David M. MacDonald, M.D.  
Duncan R. McCuaig, M.D.  
Bernard N. Nathanson, M.D.  
†Boris P. Petroff, M.D.  
Miles J. Schwartz, M.D.  
Craig N. Smith, M.D.  
Stuart S. Stevenson, M.D.  
Edward Stroh, D.D.S.  
Doris L. Wethers, M.D.  
Stanley Whitfield, M.D.  
Hudson J. Wilson, M.D.  
Edward M. Winant, M.D.  
Alexander W. Young, Jr., M.D.

### Joint Research Review Committee

W. Macy Chamberlin  
John P. Humes  
Ricard R. Ohrstrom  
Henry R. Sutphen, Jr.  
\*Charles W. Davidson  
Edward P. Childs, M.D.  
William S. Norton II, M.D.  
Richard B. Stark, M.D.  
Stuart S. Stevenson, M.D.  
Harold M. M. Tovell, M.D.  
Theodore B. Van Itallie, M.D.  
Myron Wright, M.D.  
Harold A. Zintel, M.D.  
\*Barbara J. Belmer, A.B.,  
*Grants Management Supervisor*  
*Consultants:*  
George W. Thorn, M.D.,  
*Peter Bent Brigham Hospital*  
Leon Israel, M.D.,  
*Pennsylvania Hospital*

†Deceased

\*By invitation

## Administrative Staff—1966

### *Executive Director:*

Charles W. Davidson, B.A., C.P.A.

### *Associate Director for Medical Staff Services:*

E. Grey Gooby, B.A., M.A.

### *Associate Director for General Services:*

Carl P. Wright, Jr., A.B.

### *Associate Director for Business Services:*

Robert J. McMillen, B.A.

### *Associate Director for Patient Services:*

F. Dennis Harrington, B.S., M.S.

### *Assistant Directors:*

Mary R. Meehan, R.N., B.S., M.A.

Arthur R. Slothower, B.S.

### *Administrative Assistant:*

Erwin O. Blair

### *Comptroller:*

Michael Zacharewicz, B.Sc.

### *Director of Admissions:*

Harriet N. Ensign, R.N.

### *Administrative Director, Blood Bank:*

Albert De Natale, Ph.G., Ph.C.

### *Director of Food Services:*

George O'Leary

### *Grants Management Supervisor:*

Barbara J. Belmer, A.B.

### *Executive Housekeeper:*

Edward L. Dotter

### *Director of Laboratories:*

Charles F. Begg, M.D.

### *Laundry Manager:*

Frank Sepkowski

### *Medical Librarian:*

Mrs. Rachael Ambruoso, B.A.

### *Medical Record Librarian:*

A. Rose Taddonio, R.R.L.

### *Director of Nursing Service:*

Mrs. Helen Umano, R.N., B.S., M.A.

### *Director of Out-Patient Department:*

Dorothy Wild, R.N.

### *Personnel Director:*

Robert J. Beaubien, B.S.

### *Chief Pharmacist:*

Hugo V. de Caprariis, B.S., Pharm.

### *Chief Medical Photographer:*

George Tanis

### *Superintendent of Engineering:*

Salvador A. Caruana

### *Director of Public Relations and Development:*

Donald I. Selby, B.A.

### *Director of Purchasing:*

Lewis R. Keheley

### *Director of Radiology:*

Nathaniel Finby, M.D.

### *Director of School of Nursing:*

Evelyn M. Peck, R.N., B.S., M.A.

### *Director of Security:*

Inspector John J. O'Neill

### *Director of Social Service:*

Margaret Rouillion, R.N., B.S., M.S.

### *Supervisor of Sterile Supply:*

Helen Zelezniak, R.N.

### *Chief Telephone Operator:*

Mrs. Katherine E. Beers

### *Director of Volunteer Service:*

Dorothy R. Rader, B.S.

## Department of Religious Services

### *Director and Chaplain:*

The Rev. Carleton J. Sweetser, B.A., S.T.B.

### *Associate Chaplains:*

†The Rev. George C. Wyatt, Jr., S.T.B.

The Rev. James C. Walworth, B.A.

The Rev. Alvin V. P. Hart, B.A., S.T.B.

†Deceased

# Hospital Volunteers

Abbott, Mr. Martin  
Abramowitz, Miss Susan  
Acuna, Miss Jahive  
Ada, Mrs. Alexander  
Adams, Miss Ellen  
Allan, Mrs. Russell H.  
Ames, Mr. John  
Anku, Mr. Vincent  
Apsey, Mrs. Russell  
Arnold, Mrs. Adelaide  
Arnot, Mrs. Clinton D.  
Atherley, Miss Dolores  
Auguste, Miss Gladys  
Austin, Miss Judith  
Bailey, Miss Harriet  
Bain, Mrs. Alan  
Baker, Miss Kathryn  
Balk, Miss Sophie  
Bancker, Mrs. John  
Banks, Mrs. Charles  
Banks, Mrs. William  
Barcan, Mr. Andrew  
Barjou, Mrs. Henry  
Barron, Miss Grace  
Basset, Miss Elsie  
Bauer, Miss Louise  
Bay, Mrs. Celia  
Beach, Miss Beatrice  
Bell, Mrs. A. L. Loomis  
Bell, Miss Heather  
Bennett, Mr. Charles  
Berliss, Miss Elizabeth  
Berson, Mr. Robert  
Beyea, Mrs. Jan  
Bialy, Miss Julie  
Biglow, Miss Anne  
Bishop, Mrs. Elizabeth  
Black, Miss Virginia  
Bokkenheuser, Mrs. Victor  
Bordeaux, Miss Joyce  
Bosson, Mr. Robert  
Boubnoff, Mr. Nicholas  
Bowman, Miss Billie  
Boyd, Miss Isabelle  
Brause, Mr. Barry  
Braver, Mr. John

Bregman, Mr. Arthur  
Breukel, Mrs. Margaret  
Brown, Mr. Elihu T.  
Brown, Miss Toni  
Browning, Miss Adele  
Burford, Mrs. George E.  
Burkhardt, Mrs. Anna  
Cabrera, Miss Borinquen  
Cafferata, Mr. Robert  
Calafelt, Miss Marie  
Canales, Miss Irene  
Canales, Mr. Joseph  
Canda, Miss Catherine B.  
Carroll, Miss Marguerite  
Carter, Mrs. C. Goodwin  
Casado, Miss Luz  
Cavalier, Mrs. Philip  
Chaikin, Miss Joyce  
Chaliff, Mrs. Paul  
Chamberlain, Mrs. Lawrence  
Christianson, Miss Eileen  
Clancy, Miss Lynn  
Clark, Miss Constance  
Clark, Miss Edythe S.  
Clarke, Mrs. Jeremiah  
Cleveland, Mrs. Lois  
Cohen, Mrs. Ada R.  
Cogan, Mr. Fred  
Coleman, Mrs. Simmons  
Colon, Miss Mercedes  
Connor, Mrs. Elise  
Corr, Miss Lisa  
Correa, Miss Lorelle  
Costas, Miss Emma  
Cracroft, Mr. Davis  
Cuadro, Mr. Michael  
Cuadro, Miss Ronnette  
Cutler, Miss Constance  
Czarzasty, Mr. Paul  
D'Afflitti, Mr. Joseph  
Dahlquist, Mrs. Reta  
Dallas, Mrs. Donald  
Dames, Miss Shelley  
Danner, Miss Shirley Ann  
Darling, Miss Shirley  
Darrell, Miss Gwendolyn

David, Mr. Sami  
Davidson, Mrs. William F.  
Davie, Mr. Alexander  
Davis, Miss Lydia  
De Berry, Miss Pamela  
De Castro, Mr. Dalton  
De Filippis, Miss Joan  
Dell 'Edera, Mrs. John  
Del Vaille, Miss Linda  
Dendy, Mr. Errol  
De Pinies, Mrs. Felix  
Devons, Miss Judith  
D'Granados, Miss Anna-Eliza  
Diamond, Mr. David  
Diaz, Miss Margarita  
Dickens, Mrs. John  
Diebstag, Mr. Jules  
Dieppa, Miss Nancy  
Douglass, Miss Ella Mae  
Downes, Miss Claudette  
Doyle, Miss Geraldine  
East, Miss Barbara  
Edgerton, Mrs. Glenn  
Edwards, Miss Bonnie  
Ehrenberg, Mr. Stephen  
Eisenbarth, Mr. George  
Engelstein, Fanny, M.D.  
Erket, Miss Dolores  
Erwin, Mrs. George  
Estes, Mrs. Young  
Evans, Mrs. Carla  
Ewald, Mr. Edwin  
Fang, Miss Sylvia  
Fields, Mr. David  
Fitzpatrick, Mrs. Hugh  
Fleisher, Mr. James  
Forster, Mr. Adolf  
Forsyth, Miss Marion  
Fong, Miss Ahling  
Fowells, Mr. Gavin  
Freeman, Miss Jeannette  
Fuentes, Mrs. Jemmea  
Fuentes, Miss Monserrate  
Futrell, Mr. Joseph  
Gaccione, Mrs. Anthony  
Ganz, Mrs. Ruth



- Garcia, Mrs. Gilda  
 Garcia, Miss Rachel  
 Garcia, Mrs. Raymond  
 Garfinkel, Miss Cecile  
 Garman, Mrs. Robert  
 Gerdine, Miss Naomi  
 Gilbert, Mrs. C. H.  
 Gilbert, Mrs. C. Louis  
 Gilpatric, Mrs. Margaret  
 Ginzberg, Mrs. Eli  
 Goldberg, Miss Dorene  
 Goode, Mrs. Roland  
 Goodwin, Miss Lynne  
 Gosden, Miss Rose  
 Grant, Mrs. Wheadon  
 Greenberg, Mrs. Edna  
 Greene, Mrs. Irene  
 Greene, Mr. Peter  
 Griggs, Mrs. Levi  
 Groden, Miss Paula  
 Guffanti, Mr. Arthur  
 Guilbert, Mrs. Charles M.  
 Guinsbourg, Mr. George  
 Guthrie, Mrs. Randolph  
 Hahn, Miss Ursula  
 Hall, Mrs. Floyd D.  
 Haller, Mrs. Raphael  
 Hamill, Mrs. Eleanor  
 Hamilton, Mr. Thomas  
 Hamm, Mrs. Emilie  
 Hance, Mrs. William A.  
 Harris, Miss Joyce  
 Harris, Miss Judith  
 Harrison, Mr. John III  
 Hartstein, Mr. Norman  
 Harvin, Miss Henrietta  
 Haverly, Mr. John  
 Haycox, Mrs. Olive  
 Hayden, Miss Sarah  
 Henneberger, Miss Martha  
 Hernandez, Miss Aurea  
 Herold, Mrs. Albert  
 Hershfield, Miss Julie  
 Herzberg, Miss Claire  
 Hickey, Mr. Robert  
 Hicks, Mrs. Mary  
 Hilliard, Mr. Charles  
 Hitchcock, Miss Catharine  
 Hoberman, Mr. David  
 Hock, Miss Sally  
 Hockstein, Mr. Philip  
 Hogue, Miss Helen  
 Holmes, Mrs. Winifred  
 Horn, Miss Thelma  
 Howard, Miss Rise  
 Hoyt, Miss Gertrude R.  
 Hulswit, Mrs. Fred  
 Huntington, Mrs. Samuel  
 Hurley, Mrs. Horace  
 Hutner, Mr. Reed  
 Ida, Mrs. Fumiko  
 Ingenhuett, Mrs. Arthur  
 Irizarry, Miss Lupe  
 Isaacson, Mrs. Jeanette  
 James, Miss Margaret B.  
 Jaworiv, Miss Sonia  
 Jay, Mr. Harvey  
 Jenkins, Miss Mary  
 Jones, Miss Anita Rae  
 Jones, Miss Earlyne  
 Jones, Mr. Harry  
 Jones, Mrs. Tommie  
 Kanji, Miss Zaitun  
 Kastchuri, Mrs. Pol  
 Katcher, Miss Margaret  
 Kaufman, Mr. Michael  
 Kazer, Mr. Ross  
 Kean, Miss Lillian  
 Kelley, Mrs. Wilbur R.  
 Kerner, Mrs. Beatrice M.  
 Klein, Mr. Gordon  
 Knapp, Miss Adeline  
 Knecht, Miss Rise  
 Kozera, Miss Meg  
 Kram, Mr. Leonard  
 Kramer, Miss Eleanor  
 Krown, Miss Susan  
 Kuhn, Miss Marion  
 Kuttler, Miss Marie  
 Kuusiniemi, Mrs. Pekka  
 Kyhl, Miss Alice  
 La Boy, Miss Herminia  
 Lagin, Miss Harriet  
 Lankester, Mrs. William  
 Lantz, Mrs. Walter  
 Larys, Miss Linda  
 Lawford, Mrs. Geoffrey  
 Lawson, Mrs. Charles  
 Leeming, Mr. Leonard B.  
 Leighton, Miss Janice  
 Lenehan, Miss Catherine  
 Linker, Miss Rose  
 Lippincott, Miss Clara  
 Lomino, Miss Rose  
 Love, Mrs. Ernest  
 Love, Miss Melba  
 Lowen, Mr. Beal  
 Ludwig, Miss Linda  
 Lugo, Miss Mary  
 Lum, Miss Ying  
 MacDonald, Miss Sandra  
 Mandl, Miss Patricia  
 Marks, Mrs. Sidney  
 Mathews, Mrs. William J., Jr.  
 Matossian, Miss Armen  
 Matthews, Miss Grace  
 Mattingly, Mrs. Gertrude  
 Mavrovitis, Mr. Lee  
 Maxwell, Mr. Hugh  
 McAllister, Mr. George A.  
 McCoun, Mrs. Robert  
 McFadden, Miss Phyllis  
 McGuire, Mrs. Harold  
 McKay, Mr. Gordon  
 McKendall, Mr. Robert  
 McKenzie, Miss Jean  
 McLoughlin, Miss Kathleen  
 Mead, Miss Katharine  
 Medina, Miss Elizabeth  
 Medl, Mrs. William  
 Medvedeff, Mrs. Nathalie  
 Melendez, Miss Virginia  
 Melkonian, Miss Madeleine  
 Metz, Miss Marcia  
 Moffett, Mrs. Yolanda  
 Miller, Mr. Osborn M.  
 Mintz, Mrs. Nathan  
 Moley, Mrs. Malcolm

Moore, Mrs. Gertrude  
 Moore, Mr. William B.  
 Mordetsky, Miss Ita  
 Morris, Mrs. Frederick  
 Mudge, Mr. Richard  
 Murtha, Miss Anne  
 Nagler, Mr. Jerry  
 Neugebauer, Mr. Thomas  
 Nickerson, Miss Claudette  
 Newcomb, Miss Marianne  
 Nobis, Miss Mildred  
 Nolan, Mrs. Thomas  
 Norfleet, Mr. Norris  
 Norton, Mrs. William  
 Oakman, Mrs. Carl  
 Odiseos, Miss Phyllis  
 Olstein, Mr. Simon  
 O'Neill, Mrs. Regina  
 Padilla, Mr. Angel  
 Padilla, Miss Maria  
 Perez, Miss Asuncion  
 Perry, Miss Jackie  
 Pick, Mrs. Olga  
 Pohl, Mr. Richard  
 Pollard, Miss Joan  
 Price, Miss Cecelia  
 Pumphrey, Mrs. Lillian  
 Randle, Miss Gertrude  
 Reid, Miss Angela  
 Rice, Miss Bernice  
 Riegger, Miss Ruth  
 Riley, Mr. Feaster  
 Rivera, Miss Jenny  
 Rivera, Miss Lydia  
 Robbins, Mr. Jerry  
 Robbins, Mr. Noah  
 Roberts, Mrs. Dorothy  
 Robinson, Mrs. James B.  
 Rodriguez, Miss Marie  
 Rodriguez, Miss Virginia  
 Rodriguez, Miss Sarah  
 Rollinson, Miss Ethel A.  
 Romanoff, Mrs. Paul  
 Rooth, Miss Gunila  
 Ros, Mrs. Salvador  
 Rosen, Miss Myra  
 Rothstein, Mrs. Nathan  
 Rounds, Mrs. Harold

Ross, Mrs. Louis  
 Rouse, Mrs. Merl  
 Ruben, Miss Lois  
 Rubin, Mrs. Hermine  
 Rubman, Mr. Robert  
 Salmen, Mrs. Stanley  
 Saltus, Mrs. Ethel  
 Sanborn, Miss Aline  
 Sanborn, Miss Mildred L.  
 Sanchez, Miss Minerva  
 Sargent, Miss Betsy  
 Sargent, Mr. Charles F.  
 Sawyer, Miss Ernestine  
 Schachner, Mr. Jack  
 Schetlin, Mrs. Charles  
 Schoeler, Mrs. Walter  
 Schoenherr, Mrs. Ann  
 Schroeder, Miss Suzanne  
 Schuz, Mr. Ludwig  
 Schwer, Miss Haia  
 Schwartz, Miss Bryna  
 Schwartz, Mr. Paul  
 Scott, Mr. Willie  
 Sebastian, Mrs. Catherine  
 Seldon, Mr. Dagvar  
 Selley, Mrs. William  
 Shamash, Miss Suad  
 Shand, Mr. R. Gordon  
 Shaw, Miss Jane  
 Sheehan, Miss Mary  
 Shields, Miss Mary S.  
 Siepser, Mr. Steven  
 Silvestri, Mrs. Linda  
 Sinclair, Mrs. Frazer  
 Slothower, Mrs. Arthur  
 Smith, Mrs. Donald  
 Smith, Miss Doris  
 Smith, Miss Frances  
 Spear, Miss Helen  
 Spiegel, Mr. Allen  
 Spielman, Mr. Louis  
 Spierer, Mr. Robert  
 Starkling, Miss Brucille  
 Stavsky, Miss Jane  
 Steele, Miss Abbie-Ann  
 Stein, Mr. Stuart  
 Stevens, Mrs. Edwin P.  
 Stevens, Mr. Richard

Strauchen, Mr. James  
 Stitt, Miss Elsie  
 Strauss, Miss Jane  
 Streeter, Mrs. John  
 Sullivan, Mrs. Joseph B.  
 Sykes, Miss Mabel  
 Talbot, Miss Marion  
 Tanowitz, Miss Wendy  
 Tansill, Mrs. Duncan  
 Tate, Mrs. Anne  
 Teitel, Mr. Michael  
 Thomas, Miss Muriel  
 Thweatt, Mr. Alexander  
 Tooker, Miss Charry  
 Townsend, Mr. Frank  
 Trittipo, Miss Ann  
 †Twyeffort, Mr. Clarence M.  
 Uhlinger, Miss Margaret  
 Upjohn, Mrs. Everard  
 Usher, Mr. Sol  
 Valcarcel, Miss Aida  
 Valentine, Miss Myra  
 Valicenti, Mrs. J. Mitchel  
 Van Buskirk, Miss Lydia  
 Van Itallie, Mrs. Theodore  
 Vergeichik, Mr. Russell  
 Ward, Mr. James  
 Watson, Miss Carol  
 Watson, Donald, Ph.D.  
 Webb, Miss Jane  
 Weisell, Mr. Robert  
 Welch, Mrs. Edmund  
 West, Mrs. John  
 Wigmore, Miss Mary  
 Wilder, Miss Alice  
 Williams, Miss Beverly  
 Willis, Mr. Peter  
 Wolff, Miss Brenda  
 Wood, Mrs. Marguerite  
 Wu, Miss Vivienne  
 Wynstra, Miss Nancy  
 Zalles, Miss Maria  
 Zawacki, Miss Julie  
 Zwibak, Mr. Steven

†Deceased

# Service Reports and Medical Staffs



# Anesthesiology

Louis S. Blancato, M.D., Director

The Department of Anesthesiology has continued to provide its service to the patients of St. Luke's Hospital Center. In 1965 we noted a slight decrease in our figures over 1964.

## Staff

The Staff has maintained the same number of members i.e., nine Attending Anesthesiologists, eleven residents and three nurse anesthetists. The Director plans to enlarge the Staff further in the coming year so as to provide the necessary personnel for the increased service that is constantly demanded by other areas in the Hospital. Dr. Louis S. Blancato is still Treasurer of the New York State Society of Anesthesiologists and was re-elected as President of District II of the same Society. He was appointed to the Membership Committee of the American Society of Anesthesiologists.

## Activities

In 1965 two events occurred at St. Luke's Hospital Center which added to the activities of the Department. In March 1965 our Cardiac Surgery program was revitalized with the arrival of Dr. Colin W. McCord. With this program we developed a new technic of anesthesia for Cardiac Surgery. This technic, which we call balanced anesthesia, has been successful from the point of view of the Surgeon and the Anesthesiologist and the well-being of the patient. The patient is maintained in a light plane of analgesia throughout the procedure and is awakened at the end of the operation. The second event was the opening of the new Woman's Hospital in August 1965. We were asked to provide physician coverage for the Obstetrical



Division. This new facet was taken in stride by the department and we have stressed the use of regional type of anesthesia for the obstetrical patient. This has added an extra burden on the staff, both the attending and resident staff. The Obstetrical Division has been pleased with the coverage to date.

The Department had a paper published entitled "Deliberate Hypotension for Rhitidectomy" by Dr. Ennio Gallozzi, Dr. Louis S. Blancato and Dr. Richard B. Stark of the Plastic Surgery Service.

The bulk of the activity of the Department has been the continuation of the training program with lectures in Basic Sciences given by the members of the Attending Staff. The Weekly Journal Club and the Monthly Morbidity-Mortality Conference have been continued as have the Weekly Departmental Conference and Case Presentations.

During the year several clinical projects were started for the resident staff, including a grant for clinical research in Obstetrical Anesthesia.

#### **Statistics**

The statistics for 1965 were interesting. All the specialty services showed an increase over 1964. A total of 10,426 anesthetics were administered in 1965—of this total 4,161 were ward patients at St. Luke's Hospital Center and Woman's Hospital and 6,130 were private and semi private patients at both institutions. The breakdown of total is as follows: General Surgery (including Pediatric Surgery, Plastic Surgery, Neuro Surgery and Cardiovascular Surgery) was 3,503; for Genito-Urinary 720; for Orthopedic Surgery 754; ENT 833; for Ophthalmology 341; Gynecology 2,677; Obstetrics 1,463.

In addition to surgical anesthesia the Department provided anesthesia for Cardiac Catheterizations, Cardioversions and EST. The Department maintained its usual coverage of the Recovery Room and the Intensive Care Unit and answered all hospital wide calls for Cardiac Arrest.

The Department expects to provide the same services for the coming year.

# Dermatology

Leslie Paxton Barker, M. D., Director

1965 was an active and progressive year for the Dermatology Service.

As syphilis persisted in being one of the nation's most important public health problems, the Department of Dermatology continued to cooperate with the New York City Department of Health in the diagnosis and treatment of the disease as well as in the investigation of its contacts.

Another important aspect of the clinical work was the treatment of the ever rising number of skin cancers and pre-cancerous lesions, which stressed the hazards of over exposure to sun light.

In addition to the usual broad scope of skin diseases observed at St. Luke's, the new proximity of Woman's Hospital Division brought a greater opportunity for the entire staff to study dermato-gynecological conditions. The increasingly recognized variety of dermatoses encountered in gynecology has led to cooperative investigations by Dermatologists and Gynecologists.

## Staff Activities

### *Lectures*

Dr. Young conducted a seminar and Dermatogeriatrics at St. Barnabas Hospital and gave a lecture on Common Dermatoses seen in medical practice at the Socony Mobil Oil Company.

Dr. Barker read a paper at the American Dermatological Association Meeting at Boca Raton, Florida, entitled "Angioma Serpignosum, A Comparative Study of the Pigmentary Dermatoses." (co-author, Dr. Perry Sachs)



Dr. Barker was guest lecturer at the annual post-graduate course given by the Department of Obstetrics and Gynecology in November, at the Columbia College of Physicians and Surgeons. His subject, "The Dermatological Problems Encountered in Gynecology."

Dr. Barker also gave a talk in April, at the Woman's Hospital on gynecodermatology.

### *Research*

Dr. Young continued his studies of the dermatoses encountered in the geriatric patient with special emphasis on senile pruritus, seborrhea and tibial calculi. He also investigated the atrophies associated with senescence.

Dr. Barker and Dr. Sachs expanded their studies of the pigmentary dermatoses as well as the various aspects of gynecodermatology.

Drs. Sachs, Barker and Sweeney investigated the progressive pathological changes that take place in the development of precancerous keratoses.

### *Teaching and Residency Training*

Teaching was an active part of the residency program at St. Luke's. Dr. Perry Sachs, a member of our staff and one of the country's outstanding Dermato-Pathologists, gave courses and seminars in dermatopathology to the residents and members of the staff. Important also in the teaching program were the weekly conferences devoted to discussion of problem cases, unusual dermatoses and the dermatological manifestations of the various systemic diseases. Dr. Young arranged the conferences.

The dermatology residents attended the weekly staff conferences, seminars and ward rounds at Columbia College of Physicians and Surgeons.

Several members of the attending staff continued to be active in the teaching programs of New York medical centers. Such teaching was encouraged because it brought to St. Luke's a broader knowledge of the work being done at these institutions. Participating in these teaching programs were:

Dr. Juan Larralde—Associate Professor of Clinical Dermatology, University Hospital, Bellevue Medical College.

Dr. Alexander W. Young—Assistant Professor of Dermatology, Cornell-New York Medical Center.

Dr. Leslie P. Barker—Professor of Clinical Dermatology, Columbia College of Physicians and Surgeons.

#### **Staff Changes**

Dr. Roy Stephens, former resident, completed his military service and is now a member of the dermatology staff. He has opened an office at St. Luke's where he has begun a private practice.

#### **Social Services**

Mrs. Margaret Lindsay, the Social Service Worker, did an outstanding job for the department. She was repeatedly congratulated by the Department of Health for her excellent reporting and follow-up of patients with infectious diseases.



# Medicine

Theodore B. Van Itallie, M.D., Director

Hospitals are intrinsically complex and as they grow their complexity is likely to increase exponentially. An example is to be found in the experience of the Medical Service. Less than twenty years ago, one medical intern was responsible for 28 ward medical beds and one medical resident was responsible for supervising 56 ward medical beds. Today, there are 2 interns and one resident per 28-bed unit and, many authorities consider that 14 beds per intern still is too high a ratio for a teaching service. Two decades ago the Medical Service did not concern itself with research laboratories or subspecialty groups—if a member of the staff happened to be interested in hematology or gastroenterology he was requested to consult on such problems; if no subspecialist was available the problem was handled by the internist in charge. Preventive medicine and community activities were not considered responsibilities of the hospital and clinic patients were seen as a matter of philanthropy on the part of the staff physicians.

Twenty years ago, the Medical Service was administered on a part-time basis by a practicing physician and one secretary; today, two full-time physicians, one administrative assistant and four secretaries are concerned with Medical Service administration.

Today hospital work is no longer an informal or avocational type of pursuit for physicians. The activities of the hospital are coming under increasingly intense scrutiny from the outside. The reason for this is largely the growing role of third parties that provide payments to the hospital for insured patients; Medicare, Blue Cross, union health plans, and local, state and federal health and welfare agencies. These "third parties" have required the setting up of committees to monitor hospital bed utilization and the quality of medical care.

The management of medically indigent out patients has become a matter of concern to the welfare agencies that underwrite the cost of their clinic visits. The Food and Drug Administration, the National Institutes of Health and the local Department of Hospitals all have interested themselves in the procedure by which patients and volunteers are enlisted into new drug trials. Inevitably, still other agencies will concern themselves with the operation of research laboratories in hospitals, the various accrediting organizations are involved in investigating ever more carefully the educational programs of the hospitals; also the procedures by which professional staff are selected, the organization and government of the medical staff and the manner in which professional responsibilities are carried out.

All these are only examples of the ways in which the hospital and its professional services have become increasingly accountable to outside agencies. What was informal has now become increasingly formal, and voluntary hospitals are more and more taking on the coloration of government agencies. Thus, the concept of the charity hospital is being replaced by the view of the hospital as a community agency, responsible and accountable to the community and largely financed by the community. With this changing picture of the hospitals' character, many new stresses and strains have begun to threaten the structural integrity of these institutions. There are pressures on the hospital to admit to the staff physicians with less than first-class qualification; thus, the standards of excellence of superior teaching hospitals may be in some jeopardy. As voluntary hospitals take some of the characteristics of a government agency, a "civil service" psychology is likely to develop with a growing emphasis on "security" rather than "quality."

All these changes have their impact on the hospitals' physicians. If insurance and health plans are to pay for and, to same extent, require monitoring of out-patient care, why should the practicing physician donate his time to the clinic free-of-charge? Why, indeed, should he give so generously of his time to hospital affairs—teaching, research, committee work, staff activities? One answer is that these contributions by the physician can be considered a recompense for



services provided by the hospital to the doctor—continuing education, private patient facilities, consultation services, etc.

It is not realistic to condemn the changes that have and are taking place; however, it would be imprudent not to attempt to understand what is occurring and where the trends are leading. To cope with these new developments in the hospital's relationship to the community a bigger administrative superstructure than is presently available within the hospital will be needed. It is certain that better ways can be found to help the hospital fill its burgeoning responsibilities to outside agencies but to date little of a constructive nature has been accomplished in this direction.

Thus, during the next decade, the Medical Service, together with the Hospital Center, must anticipate a further acceleration of the administrative demands made upon it. The challenge will be to meet these new demands while continuing to improve patient care, teaching, research and community service. To respond constructively to this challenge more than good will is required; administrative skills must be utilized, careful planning is necessary and, perhaps, most of all, creative and imaginative techniques for dealing with an intricate maze of responsibilities must be developed.

### Staff Activities

In 1965, the medical service was represented in the scientific literature by 32 publications. Dr. Theodore B. Van Itallie continued service on two sub-committees of the National Research Council (Role of Dietary Fat in Human Health and Recommended Dietary Allowances). He also continued to serve as a member of the editorial board of the *Journal of Clinical Pharmacology and Therapeutics and Diabetes*. Dr. Van Itallie was also appointed to the International Fellowship Review Committee of the National Institutes of Health. This committee acts as a study section and council in reviewing applications from foreign scientists who wish to perform research in the United States.

Dr. Robert Case, with Drs. Crampton, Roven, and Roselle, presented their investigations into the metabolic and physiological

disturbances occurring during myocardial ischemia at the University of Kentucky Symposium on Potassium and the Heart.

Dr. George Christakis received awards from the Epidemiology Council of the American Heart Association, the American Geriatric Society, and the American Public Health Association for his work on the epidemiology of coronary heart disease and its relation to diet.

Dr. Paul Cushman and Dr. Peter Holt were elected to membership in the American Physiological Society. Dr. Cushman also received a Senior Research Fellowship from the New York Heart Association for three years and was elected to the American College of Physicians.

Dr. Michael Grieco became a member of the American Board of Allergy.

Dr. William Norton was elected to an unprecedented third term as President of the Medical Board of St. Luke's Hospital and Dr. Myron Wright was chosen Vice-President of the board.

Dr. Richard Pierson was appointed Director of the Radioisotope Unit. His predecessor, Dr. R. P. Keating, has been appointed Consultant to the laboratory.

Dr. Paul Torrens' Unit of Community Medicine served as a VISTA (Volunteers in Service Training to America) training resource for volunteers destined to work in the United States. In addition, the unit also aided in the training of Peace Corps volunteers destined to work in health programs abroad.

During 1965, a great variety of outside lectures, seminars, and other teaching exercises were conducted by members of the staff. (Particularly active in this area were Drs. Bell, Case, Hashim, Holt, and Van Itallie). Of special interest was an Evening Symposium of which Mrs. Arthur Bunker and her brother-in-law, Ambassador Ellsworth Bunker were co-hosts. The purpose of the affair was to acquaint leaders in the fields of industry, commerce, communications, and politics with the work now in progress in the research laboratories of St. Luke's Hospital. Various units of the Department of Medicine presented papers on aspects of their on-going research.



## Patient Care and the Teaching Program

During 1965, there were 3,746 medical admissions divided fairly equally between ward (1,348), semi-private (1,187), and private services (1,211). There was a total of 65,723 patient days for medical patients in these three categories; there were 26,761 patient days on the wards alone. The medical ward occupancy rate for the year averaged 91% with an average daily ward census of 74. Not included in these figures are the six beds in the Intensive Care Unit allotted to medical ward patients.

There were 68,325 visits to the Emergency Room and 38,426 visits to the general medical and medical subspecialty clinics.

A Medical Service Audit Committee was organized with Dr. E. P. Childs as chairman. This committee reviews charts to evaluate medical care and hospital bed utilization within the department. It is a branch of the larger hospital-wide committee set up for such a purpose, and reviews about ten per cent of admissions to the Medical Service.

The Medical Service continued to participate actively in the teaching of medical and graduate students from Columbia University. The usual elective course in physical diagnosis was given in the spring for 32 second year students and continued under the direction of Dr. A. L. Loomis Bell. Dr. James Hilton continued to supervise the training of fourth year students assigned to the wards as clinical clerks. A large group of preceptors drawn from the attending staff of the department participated in the fourth year teaching program.

Three postgraduate courses in medicine were offered to the medical profession in conjunction with the postgraduate teaching program of the College of Physicians and Surgeons. The courses were: Clinical Cardiology (Dr. E. P. Childs and associates), Clinical Hematology (Dr. John F. Bertles and associates), and Clinical Nutrition and Metabolism (Drs. Van Itallie, Hashim and associates).

Members of the medical service staff also participated in medical student teaching at the Columbia-Presbyterian Medical Center. Dr. Van Itallie was in charge of a combine Saturday Clinic on Obesity and also made Chief-of-Service rounds at the Presbyterian Hospital

during July and August. A number of staff members taught fourth year students in group clinic at the Vanderbilt Clinic.

Attending physicians continued to give their time unstintingly in the wards, in the clinics, and at conferences, for the training of our house staff in the ever-expanding field of Internal Medicine.

## Scrymser I Service

In an effort to improve the teaching for house officers assigned to the private service, to promote better communication between the house staff and physicians engaged in private practice, and to make available to semi-private patients the standards of a teaching service, a new Scrymser I Service has been organized in the past year.

The service is operated on a voluntary basis on the part of both the admitting physician and the patient. The relationship between the admitting physician and his patient is respected at all times with the private physician considered the senior attending physician on the service for that patient. Thus, he retains the right to write and approve all diagnostic and therapeutic orders. He is expected to discuss orders and plans for diagnosis and management with the house officers assigned to his patient. A junior attending physician makes rounds daily (3 to 5 times a week) as on the general service wards, to instruct the house staff in the art and science of medicine and in the problems of private patient care. Unless requested by the admitting physician, he is not concerned with the specific management of the cases on the service. An intern and a junior assistant resident are in charge of this unit, which at present has 24 beds as its maximum. The unit has been in operation for 11 months and we have been encouraged by its initial success. Our hope is that it may be continued and expanded in the future.

## Research

### *Allergy Research Laboratory*

The chief laboratory project involves the attempt to demonstrate the significance of bacterial hypersensitivity in infectious asthma. A tech-

nique for the fluorometric assay of histamine has been established. Thus far, with the use of leukocytes from six individuals with perennial asthma, significant histamine release has been observed in two instances with sonicated crude extracts of *Neisseria* and *Streptococcus viridans*. Studies are being continued with other crude extracts and specific bacterial antigens such as endotoxin and teichoic acid.

Studies are in progress dealing with mecholyl-induced asthma in patients with perennial rhinitis and with the cardiovascular responses of patients with perennial intrinsic asthma to infusions of isuprel, adrenalin and beta-adrenergic blocking agents. Following this, the effects of bacterial antigens upon these responses will be studied to elucidate the mechanisms of non-allergic bacterial sensitivity.

Quantitative measurements of B<sub>1c/1a</sub> globulin and the immunoglobulins are also being made in a wide variety of disease states but no conclusions can be reached at this time owing to the relatively small number of observations.

#### ALLERGY RESEARCH LABORATORY STAFF:

Michael H. Grieco, M.D.

Part-time

Director

### *The Cardiopulmonary Laboratory*

The Cardiopulmonary Laboratory, under the direction of Dr. Oswald Jones and Dr. A. L. Loomis Bell, Jr., with the assistance of Dr. Seiichi Shimomura and Dr. Veljko Krstulovic, expanded its specialized diagnostic service in the fields of cardiopulmonary diseases, and has continued research activities.

### *Research Activities*

Dr. C. Redington Barrett supervised animal and human studies on the physiology and pharmacology of the pulmonary circulation. By controlled perfusion of the wedged pulmonary catheter, the influence of [H]<sup>+</sup>, PO<sub>2</sub> and PCO<sub>2</sub> of perfused autogenous blood and the PCO<sub>2</sub> and PO<sub>2</sub> of alveolar gas on pulmonary vascular resistance in dogs and humans with pulmonary vascular lesions is being studied. Controlled perfusion of vasoactive drugs in the same preparation permits reliable separation of primary drug effect on the pulmonary vascular resistance from those responses secondary to

changes in cardiac output, left heart pressure or systemically mediated reflexes. Better use of oxygen, buffers, supported ventilation and vasoactive drugs in patients with pulmonary hypertension are being sought.

In conjunction with Dr. Begg and Dr. Ryan in the Department of Pathology, the role of viral diseases in the pathogenesis of pulmonary emphysema is being investigated. Infection-free beagle puppies are inoculated with a sublethal dose of distemper virus and compared at intervals with control animals by CO uptake and diffusion capacity at rest and at controlled levels of hyperventilation. At sacrifice, post-mortem pulmonary function tests, micro and macro lung sections of inflation fixed specimens together with virus localization procedures are collated. Persistent viral infection may be a factor in the development of chronic pulmonary diseases (studies being conducted in conjunction with Cornell University Veterinary Virus Research Institute, Ithaca, New York).

Dr. Krstulovic is principally interested in the influence of hyperventilation on carbon monoxide uptake and diffusion capacity. CO uptake and diffusion capacity are measured at rest and during periods of controlled hyperventilation in normal subjects and patients with chronic pulmonary diseases. These studies show that CO uptake and diffusion capacity increase predictably with increase in minute and alveolar ventilation. They further suggest a more critical difference in CO uptake and diffusion capacity in healthy versus diseased patients during hyperventilation than at resting levels of ventilation. A more sensitive and simple means of discriminating early pulmonary insufficiency is desirable.

Dr. Shimomura is investigating the separation of myocardial insufficiency as opposed to mechanical factors in the cardiac dysfunction of acquired valvular heart disease.

The contractile function of the myocardium is evaluated during preoperative physiologic studies by analysis of the ventricular upstroke time during isometric contraction as related to ventricular end diastolic volume, the latter measured by a thermodilution method. Such function studies are ideally performed at more than one level

of cardiac performance or output. These myocardial function curves are then related to pre- and immediately post-operative cardiac output and pressure studies, together with the post-operative clinical course and repeat function studies six months to twelve months post-operatively.

### *Clinical Activities*

During 1965 the clinical component of the Laboratory performed 257 cardiac tests. This number includes adult and pediatric right and left heart catheterizations, both transseptal and retroaortic. In many studies, selective angiocardiology are performed in conjunction with the X-Ray Department. These specialized diagnostic procedures are performed to determine the cause of a heart murmur or heart failure. Many of these patients were found to be candidates for heart surgery.

Pulmonary function studies were performed on 357 patients in 1965, and 15,739 patient treatments were administered to patients with pulmonary diseases in the Breathing Clinic by Miss Edna MacDonald, the nurse-therapist of this branch of the clinical Cardiopulmonary Laboratory.

The Out-Patient Emphysema Clinic continues under the direction of Dr. Bell with the assistance of Drs. Krstulovic, Grieco, Cameron, Barrett, Andreae and McHugh. Spirographic diagnosis and instruction in aerosol therapy are the responsibility of Mr. Murphy, pulmonary technician, while the Department of Physical Medicine teaches breathing exercises and patterns helpful to patients with emphysema. Doctors Shimomura and Steiner represent the Laboratory in the Cardiac Clinics.

Conferences within the hospital for which the Cardiopulmonary Laboratory staff is directly responsible are the weekly Pulmonary Disease Section Conference and the Cardiac Case Selection Conference. At the former, interesting patients with chest diseases are presented and discussed, as a part of the house staff and Medical School teaching program. The Case Selection Conference, attended by adult and pediatric cardiologists, cardiac surgeons and radiolo-

gists, meets twice a month to discuss and select patients for heart surgery. Intra-laboratory conferences, part of the United States Public Health Service training program, are held weekly. Topics in pulmonary and cardiovascular physiology are presented and discussed by members of the cardiopulmonary staff. Research work in progress in the Laboratory is scheduled for critical discussion at these sessions.

At the weekly X-Ray Review Conference held in conjunction with the Department of Radiology the week's diagnostic cardiac catheterizations and selective angiocardiograms are presented and discussed. The Laboratory members also attend Medical Grand Rounds, and are active participants in Cardiac Rounds and the Medical Research Conferences conducted by the Department of Medicine.

During the year a new facility for inhalational therapy treatments for patients with chronic pulmonary disease has been constructed on Muhlenberg III. These will combine the Inhalational Therapy and Pressure Breathing facilities.

#### CARDIOPULMONARY LABORATORY STAFF:

A. L. Loomis Bell, Jr., M.D.	Full-time	Director
Seiichi Shimomura, M.D.	Full-time	Associate Director
Lucy Swift, M.D.	Full-time	Pediatric Cardiologist
Veljko Krstulovic, M.D.	Full-time	Associate Director
Stephen F. Ryan, M.D.	Full-time	Associate (assigned in Pathology)

#### *The Community Health Studies Unit*

Two major features of the Community Health Studies Unit's activities during the past year have been the strengthening of its affiliations with several academic institutions in the city, and the development of an experimental program of continuing education for general practitioners in the St. Luke's Hospital Center district.

Under the direction of Dr. Jane Hauser, the Community Health Studies Unit joined forces with the Bureau of Applied Social Research, Columbia University to sponsor a twice-monthly series of seminars on "Social Problems and the Health Field." The purpose of the seminars was to bring together behavioral scientists and health practitioners, to facilitate an exchange of ideas and experiences on medical and health problems.



During the past year, the Community Health Studies Unit has been responsible for the field training of five graduate students in public health nursing from New York University Graduate Program of Public Health Nursing. These graduate students spent one day a week working with the members of the Unit, taking an active part in the various research projects currently in progress.

The past year also saw the start of an experimental program in continuing education for general practitioners in the St. Luke's Hospital Center district. Under the direction of Dr. Kenneth Weinstein, the program attempts to utilize actual cases referred to the Emergency Room by general practitioners as a means of establishing and maintaining contact with these physicians.

In other areas, the Community Health Studies Unit has expanded its research interests into the health problems of housing-project residents by opening a second satellite office in a low income housing project south of the hospital; the first was established a year ago. This gives the Community Health Studies Unit two excellent and continuing sources of information about the health needs of the West Side community.

Research already in progress prior to this year, has continued and expanded. The study of patients with congestive heart failure who are receiving care in the St. Luke's clinics, entered into its third year; in this project, the Community Health Studies Unit has worked closely with Dr. Richard Pierson and the staff of the Radioisotope Laboratory. Work also continues on the study of patients with asthma who are chronic emergency room utilizers. The study of the health needs of middle income older adults at Morningside Gardens is providing a wealth of information about the provision and financing of medical care for these patients.

In the area of teaching, the Community Health Studies Unit continues to take part in a variety of graduate and undergraduate training programs. For the fourth year in a row, medical students from various parts of the country were brought to St. Luke's under the New York City Health Department's research training programs. In addition to the students from New York University already men-



tioned, graduate students from the Columbia University School of Public Health continue to use the facilities of the Unit as part of their normal courses and their research, as did graduate students from the Department of Sociology at Columbia. Also, the Community Health Studies Unit served as training site for both foreign and domestic Peace Corps volunteers bound for work in underdeveloped areas of this country and abroad.

#### COMMUNITY HEALTH STUDIES UNIT STAFF:

Paul R. Torrens, M.D., MPH	Full-time	Director
Jane Z. Hauser, Ph.D.	Full-time	Research Associate
Coenraad R. Westermann, M.D.	Part-time	Research Associate
Kenneth W. Weinstein, M.D.	Full-time	Research Associate
Beatrice B. Berle, M.D.	Full-time	Research Associate
Frederick M. Mott, M.D.		Consultant

#### *Laboratory of Experimental Cardiology*

During the past year, the Experimental Cardiology group continued their investigations into the metabolic and physiological disturbances occurring during myocardial ischemia. These disturbances were related to simultaneous changes in the electrocardiogram. The behavior of the S-T segment of the electrocardiogram during coronary insufficiency was correlated with changes in potassium metabolism and the appearance of myocardial cellular acidosis. The experiments showed that depression of the S-T segment during myocardial ischemia was associated with the loss of potassium from the heart muscle.

A unique phenomenon, S-T segment and pulsus alternans, was seen during prolonged experimental coronary insufficiency. Correlation of these electrical, mechanical and metabolic abnormalities was reported by Dr. Case to the International Symposium and the Cardio-respiratory Effects of Hypoxia, Queens University, Kingston, Ontario, in June 1965, and will appear shortly in the American Journal of Cardiology.

Current investigations in myocardial metabolism also include an inquiry into the effects of various anti-arrhythmic drugs upon myocardial metabolism. Further exploration of the abnormal metabolic state during myocardial ischemia is under way and biochemical

methods of helping the heart to function more efficiently when its supply of oxygen becomes limited are being explored.

In the field of clinical research, the Laboratory group continued to be active. In conjunction with the cardiac surgical group, a study of potassium metabolism before, during, and after open heart surgery is under way. It is hoped that useful information will derive from this study which can be applied to reducing the number of cardiac arrhythmias suffered by patients recovering from open heart surgery.

The Laboratory continued to participate in the cardiac case selection conference which evaluates patients who are considered possible candidates for cardiac surgery. Members of the Laboratory continued to work actively in the clinical care of heart disease in both Children's and Adult Cardiac Clinics. Dr. Case continued to serve as chief of the Cardiac Consultation Clinic for the Department of Health, Riverside Branch, and is assisted there by Drs. Roven and Crampton.

Through the generosity of private donors, the Laboratory acquired an auto-analyzer capable of performing biochemical determinations at the rate of 40 per hour. General research funds made available to the laboratory by the Hospital Center helped towards the purchase of an 8-channel Offner Recorder for physiological studies. These two pieces of equipment have already increased the versatility of the laboratory in many new areas of research in cardiovascular physiology and myocardial metabolism.

During the year the activities of the Laboratory were enhanced by the work of two volunteer pre-medical students: Roy Fleischmann who is now in his first year at the Downstate Medical Center, and Charles Kawada who returned to his pre-medical course at Amherst College.

#### LABORATORY OF EXPERIMENTAL CARDIOLOGY STAFF:

Robert B. Case, M.D.	Full-time	Director
Richard S. Crampton, M.D.	Part-time	Assistant Director
Robert B. Roven, M.D.	Part-time	Research Associate
Harry A. Roselle, M.D.	Full-time	Research Fellow

### *The Gastrointestinal Unit*

The research work of the Gastrointestinal Unit is concerned mainly with elucidation of aspects of the physiology of gastrointestinal transport. Principally we are interested in rate-limiting steps during the absorptive process. Having established a model for maximal rates of small intestinal absorption of lipids that differ greatly in their mode of transport, we aim to study the rates for each step during the transfer of these lipids.

During the past year, by a technique for constant small intestinal perfusion in rats, we have sequentially quantified the transport of the medium chain triglyceride, trioctanoin, both as the triglyceride and as the fatty acid through the intestinal mucosal membrane, during intracellular lipolysis, during portal vein transport and into the liver. The transport of unhydrolyzed trioctanoin in large quantities, from the oily, non-micellar phase of intestinal contents, is the first demonstration that the intestine has such a capacity and suggests that this intestinal lipid absorption occurs by a process of molecular diffusion. Passage through the mucosal membrane probably is rate-limiting during octanoic acid absorption, while intramucosal lipolysis is a slow stage during triglyceride transport. These observations provide an explanation for the effective absorption of synthetic medium chain triglycerides in patients with pancreatic insufficiency and biliary obstruction that was demonstrated last year. In addition, this reproducible animal system will provide a tool for subsequent studies concerned with the competition for rate-limiting steps during intestinal lipid absorption.

In addition we postulated that lymphatic flow and lymph albumin concentration may be reduced during MCT absorption when compared to longer chain triglycerides. Previously we showed that the protein losses into the gut in intestinal lymphangiectasia could be significantly reduced resulting in the general acceptance of MCT therapy for this condition. With a method using  $^{125}\text{I}$  and  $^{51}\text{Cr}$  albumin to measure total albumin catabolism we demonstrated that intestinal losses of protein did not contribute to hypoalbuminemia associated with the nephrotic syndrome and that the exudative enteropathy in

a patient with sprue was ameliorated by the administration of medium chain triglycerides.

In other studies, the intestinal mucosa was found readily to metabolize medium chain fatty acids during the absorptive process with the production of  $\text{CO}_2$  and ketone bodies. Some control of octanoic acid intestinal metabolism by bile acids was observed. It was demonstrated that octanoic acid could replace glucose as a substrate for oxidative metabolism. These observations suggest another mechanism for the beneficial effect of MCT in human diseases affecting the small intestine.

The significance of a deficiency of lactase, the intestinal enzyme that hydrolyzes the milk sugar, lactose, was studied in patients with ulcerative colitis, regional ileitis and viral hepatitis by the use of oral sugar loading tests and enzyme assays of peroral intestinal biopsies. Lactase deficiency, frequently associated with milk intolerance, was found as common in the control hospital population as in the diseases studied. This study does indicate that elimination of lactose is important in the therapy of patients with lactase deficiency and intestinal disease.

Detailed studies of a patient with the post-gastrectomy blind loop syndrome showed that folic malabsorption may be the cause of megaloblastic anemia in this condition.

High concentrations of the enzyme alcohol dehydrogenase are located only in the liver parenchyma, and investigation of patients with liver disease has shown that the enzyme is released into the circulation following hepatic injury. Preliminary observations suggest that this enzyme activity in the serum may be very high during intra-hepatic cholestasis. As a significant concentration of this enzyme has been detected in the bile of rats following experimental liver injury, the biliary tree may be a normal excretory route for alcohol dehydrogenase, which may explain the reason for high levels in cholestasis. These studies will be pursued.

Three summer students worked on independent projects in the laboratory. Mr. M. Tajuddin, now a Ph.D. candidate at Massachusetts

Institute of Technology, and Mr. B. Brause, now at Pittsburgh University Medical School, showed that a gastric lipase acting on MCT was present and that a distinct small intestinal lipase of greater activity could be isolated. Mr. P. Denden, now at Johns Hopkins Medical School, studied aspects of intestinal bile salt absorption in the rat.

The Gastrointestinal Unit has continued to provide consultation services and special techniques for patients at the hospital. All the members of the Unit have participated in the general teaching program of the hospital. Twice weekly ward rounds, monthly planned conferences and research seminars, twice monthly clinical-pathology correlative conferences have been held. These are open to all members of the Medical Service.

#### GASTROINTESTINAL UNIT STAFF:

Peter R. Holt, M.D.	Full-time	Director
Susanne Bennett-Clark, Ph.D.	Full-time	Associate Physiologist
Gilbert Cherrick, M.D.	Part-time	Clinical Associate
John DuBois, M.D.	Part-time	Clinical Associate
Charles A. Flood, M.D.	Endoscopist	Part-time
Francis G. Geer, M.D.	Clinical Associate	Part-time
Benjamin N. Kightlinger, M.D.	Clinical Associate	Part-time
David Chalfin, M.D., Ph.D.	Full-time	Research Fellow
Esteban Mezey, M.D.	Full-time	Research Fellow

#### *Hematology Unit and Arthur H. Bunker Hematology Research Laboratory*

Two research programs are in progress, one on the basic aspects of Hemoglobin synthesis in an experimental animal (duck), the other on the human disease known as sickle cell anemia. The two programs are closely linked in that both subjects, man and duck, synthesize multiple hemoglobins whose relative proportions are genetically controlled. In results to date, ontogeny of duck hemoglobin from embryo to adult was examined. The 7-day duck embryo was found to contain two hemoglobins (Hb's III and IV) which are electrophoretically distinct from the two adult hemoglobins (Hb's I and II). The synthesis of Hb III was not restricted to embryonic life but continued in the duckling and ceased before the 10th week of post-hatching development. In this respect Hb III resembles human

Hb F. Proportions of Hb's I and II progressively changed in reciprocal fashion during duck maturation, ultimately stabilizing in adulthood. Acute blood-loss anemia was produced in ducks by repeated cardiac puncture and the resulting erythrocyte population was separated into young (low density) and old (high density) fractions. In the young cells, synthesis of Hb II was consistently found to be significantly closer to completion than synthesis of Hb I. Possible explanations of all center on the relative activity of messenger RNA's specific for the two hemoglobins.

The megaloblastic anemia of vitamin B-12 deficiency in the human is known to be associated with "recall" of Hb F synthesis. With this fact in mind, we produced severe megaloblastic anemia in adult ducks with the folic antagonist methotrexate. Two new hemoglobins appeared, one of which had electrophoretic and chromatographic properties identical to Hb III seen only in the embryo and duckling. The results suggest a process similar to genetic derepression.

With certain basic characteristics of hemoglobin synthesis in this avian species having been established, the research programs is concentrating on two problems: 1) the relative efficiency of specific messenger RNA's and 2) the probability that "recall" of Hb III in the adult duck and Hb F in the adult human represents genetic derepression.

Investigation in the Unit has identified the major hemoglobin of circulating "irreversibly sickled" erythrocytes in sickle cell anemia patients. Also, Hb SS erythrocytes were stained for Hb F (Betke), and optical densities of projected images of individual cells were measured. Optical densities of non-sickled cells were broadly and heterogeneously distributed, while those of irreversibly sickled cells (ISC's) consistently clustered in the low reading. Differential centrifugation concentrated ISC's in the high density fraction, suggesting a relatively advanced age. Presumably the low Hb F content of ISC's facilitates the sequestration leading to the irreversibly sickled form. The peculiar membrane changes exhibited by these cells are under study.

The construction of a complex of laboratories to house the Unit's



Siemens electron microscope is nearly finished, and will aid the two programs. Also, in collaboration with the Department of Biology, New York University, a study of the effect of certain hormones on hemoglobin synthesis at the electron microscope level is being initiated.

The Unit continues to train the hospital's resident physicians, and is responsible for postgraduate course PM 61, under the Faculty of Medicine of Columbia University, in Clinical Hematology.

HEMATOLOGY UNIT AND ARTHUR H. BUNKER HEMATOLOGY RESEARCH LAB. STAFF:

John F. Bertles, M.D.	Full-time	Director
Thomas A. Borgese, Ph.D	Full-time	Consultant in Biochemistry
Sidney I. Rosen, M.S.	Full-time	Research Assistant in Electron Microscopy
Jonas M. Goldstone, M.D.	Part-time	Clinical Associate

*Nutrition and Metabolic Research Unit*

The Laboratory for Nutrition and Metabolic Research has continued to conduct research in lipid and carbohydrate metabolism and physiology. Our collaboration with the Institute of Nutrition Sciences, Columbia University, has been extended to include a postgraduate course in clinical nutrition. Also, the formal course in clinical nutrition for graduate students at the Institute has been made part of the academic curriculum.

With the help of grant support from the Rockefeller Foundation and the National Institutes of Health, a Nutrition and Metabolic Research Center (NMRC) has been set up at St. Luke's in affiliation with the Institute of Nutrition Sciences, Columbia University. In June, 1966 NMRC will move to its new facilities currently under construction in the Woman's Hospital building. The metabolic research ward with facilities to hospitalize six patients and the research kitchen equipped to prepare fully controlled diets will be housed on the 9th floor of the Woman's Hospital. The entire 10th floor will include a number of well equipped research laboratories, an animal operating room and a conference room.

Studies of the consequences of chronic bile acid sequestration in man indicate that the bile and binding resin, cholestyramine, is an



effective therapeutic agent for hypercholesteremia even when used on a long term basis. Cholestyramine was administered to nine hypercholesteremic patients for periods ranging up to five years. Eight of the subjects reached and maintained serum total cholesterol levels 50 to 80 per cent of control values. All individuals exhibited a marked increase in bile acid excretion during resin therapy, however, neutral sterol output did not show any consistent response. These studies indicate that cholestyramine is a most promising hypocholesteremic agent combining the virtues of safety and effectiveness.

Prolonged treatment with cholestyramine of pruritus in patients with biliary cirrhosis confirms our original studies of the acute relief of pruritus in such patients. Of the seven patients followed while on resin treatment for periods up to five years, three have died of complications of their liver disease. The living patients who continue to receive resin treatment remain free of pruritus and lead relatively comfortable lives.

The phenomenon of experimental steatorrhea induced by large doses (30 gm) of cholestyramine in otherwise normal subjects, originally reported by our group, has been further studied and we reported on the amelioration of cholestyramine-induced steatorrhea by the surfactant Tween 80. More recently we have observed abolition of cholestyramine-induced steatorrhea when the subjects were ingesting medium chain triglyceride as their sole fat source. These studies emphasize the important role played by bile acids in the absorption of long chain fats and provide information pertinent to the study of the mechanisms of fat absorption.

The original report by the NMRC on the use of medium chain triglycerides in the treatment of steatorrhea associated with pancreatic disease has been extended in collaboration with the gastroenterology group. Studies have demonstrated the effectiveness of medium chain triglycerides in the treatment of a variety of malabsorption syndromes: pancreatogenous steatorrhea associated with chronic pancreatitis and cystic fibrosis; postgastrectomy steatorrhea; protein losing enteropathy with steatorrhea and intestinal lymphan-

giectasia. Recently we have reported studies demonstrating the effectiveness of MCT in the treatment of malabsorption and the associated conditioned malnutrition in two patients with massive resection of the small intestine.

Experimental studies of absorption of medium chain triglycerides have been conducted in dogs with indwelling portal vein catheters. Direct evidence for the portal venous transport of caprylic acid-C<sup>14</sup> as free fatty acid has been obtained following intraduodenal administration of C-<sup>14</sup> labeled tricaprylin. Similar studies of the absorption of tripelargonin (C<sup>9</sup> triglyceride) and subsequent portal transport of free pelargonic acid have been reported by our group. The fate of these fatty acids once they reach the liver, and their influence on dynamics of glucose transport and ketogenesis, are currently being investigated. Preliminary results indicate that intravenous administration of octanoate results in striking hypoglycemia which has been related to an inhibition of glucose output by the canine liver. These studies are being performed in the unanesthetized dog with indwelling catheters surgically implanted in the portal vein, hepatic vein and splenic artery.

The influence of long chain triglycerides on chylous transport of odd- and even-numbered medium chain triglycerides has been studied in thoracic duct-cannulated rats. In these animals lymph is collected following intragastric installation of a variety of triglycerides, natural and synthetic. Studies have shown that under normal conditions, following a meal of pure medium chain triglyceride (MCT), a very small fraction of MCT appeared in the chyle (less than 1%). However, it is possible to increase this proportion (up to 10%) by mixing the MCT with long chain triglyceride prior to feeding. Chromatographic studies of chyle lipids have shown that the medium chain acids that are transported in the chyle travel in the form of triglyceride in contrast to the transport of the same acids in the free form in the portal vein. A new catheter system has been devised that permits collection of lymph from the thoracic duct of rats for longer periods (10 days) than was previously possible.

The effect of polyunsaturated fatty acid-rich (PUFA) diets on to-

copherol requirement in infants has been extended to premature infants. A group of signs and symptoms occurring in association with low plasma vitamin E level and high PUFA diet has been described in a small series of premature infants. The syndrome is characterized initially by irritability and pitting edema and several weeks later by skin changes ranging from mild papular erythema with dryness and depigmentation to extensive desquamation with marked seborrhea of the scalp and alopecia. In such infants, the requirement for tocopherol increases when a linoleate-rich diet is fed. The incorporation of linoleate into the adipose tissue and erythrocyte lipid of the premature infant is extremely rapid. In contrast, in adults studied by NMRC (with the Department of Health, New York City), adipose tissue incorporation of linoleate is slow with 100% increase in four years. The adult subjects have not required supplemental tocopherol.

Studies of tocopherol metabolism in man have been hampered by tedious methods for measuring its concentration in plasma and tissues. In our laboratory a rapid procedure has been developed for measuring tocopherol concentration in macro and micro (50  $\mu$ l) quantities of human plasma. The micro-procedure has been used for measuring plasma tocopherol in infants. A second procedure has been developed that involves separating tocopherol from plasma extracts by a glass paper chromatographic system. Elution of the tocopherol spot permits quantification of the original concentration in the plasma.

During the year three graduate students continued their work in doctoral thesis research in the NMRL having completed their formal course requirements at the Institute of Nutrition Sciences, Columbia University.

#### NUTRITION AND METABOLIC RESEARCH CENTER STAFF:

Sami A. Hashim, M.D.	Full-time	Director
Karoly G. Pinter, M.D.	Full-time	Research Associate
Francis X. Pi-Sunyer, M.D.	Part-time	Research Associate
George J. Christakis, M.D.	Part-time	Research Associate
Robert G. Campbell, M.D.	Full-time	Research Fellow
Robert B. Zurier, M.D.	Part-time	Research Fellow
A. Miridjanian, M.D.	Full-time	Research Fellow
Rosemary Gellene, M.D.	Full-time	Research Fellow
Daisy S. Lee, M.D.	Full-time	Research Fellow
Habiba Hassan, M.D.	Full-time	Research Fellow
Francisco Linares, M.D.	Full-time	Research Fellow

#### IN COLLABORATION WITH

Theodore B. Van Itallie, M.D. (Director of Medicine, St. Luke's Hospital Center)  
W. H. Sebrell, M.D. (Director of Institute of Nutrition Sciences and R. R. Williams  
Professor of Nutrition, Columbia University)

#### *Laboratory for Renal and Endocrine Physiology*

The role of cyclic AMP in adrenal steroidogenesis was investigated with use of the inhibitors of cyclic AMP, dihydroergotamine (DHE), and dichloroisoproterenol (DCI). Neither of these agents was effective in blocking vasopressin and ACTH stimulation of cortisol production. These results support the view that vasopressin and ACTH may not induce steroidogenesis solely by adrenal cyclase stimulation.

Studies relating to the anti-estrogen effects of clomiphene (an ovulatory stimulating agent) were carried out with utilization of the human cortisol and thyroxine-binding transport systems. The experiments were designed to detect any modification clomiphene might exert on the well established effects estrogens have on transcortin and TBG binding. It was found that clomiphene failed to alter either the baseline or the estrogen-induced increase in plasma cortisol concentrations. Similar lack of effect was noted on the  $T_3$  resin uptake ratios. Therefore, these studies do not lend support to the hypothesis that clomiphene has, as its sole mechanism of action, a direct competition for estrogen receptor sites.

It recently has been suggested by others that reserpine might have a direct stimulatory action upon the adrenal. In order to test this hypothesis, we perfused reserpine directly into the adrenal artery

of dog adrenals. No effect was noted upon either cortisol or catechol amine secretion.

It has long been known that rubidium ions are nearly interchangeable with potassium in a wide variety of biochemical and physiological processes. The systems most extensively examined have been rat skeletal muscle, rat acid-base balance, dog renal clearances, human erythrocytes, and human cardiac muscle. In a series of experiments in which rubidium was perfused into the arterial circuit of isolated dog adrenal glands, we found no stimulation of aldosterone secretion although such stimulation was expected since potassium was active at comparable concentrations. We conclude that so far as aldosterone production in the dog adrenal is concerned, rubidium cannot be substituted for potassium. This would appear to be the first example of such a dichotomy between these two ions.

The group continued its activities in the following clinical areas: management of patients undergoing peritoneal dialysis, performance of renal biopsies, workups of patients with renal and endocrine diseases, management of patients with fluid and electrolyte imbalance, and management of diuretic problems. Diagnostic facilities include ACTH and methapyrapone testing and measurement of plasma and urinary steroid concentrations among many others..

#### LABORATORY FOR RENAL AND ENDOCRINE PHYSIOLOGY STAFF:

James G. Hilton, M.D.	Full-time	Director
Paul Cushman, Jr., M.D.	Full-time	Research Director
Sheldon Alter, M.D.	Full-time	Research Fellow

#### *The Radioisotope Laboratory*

During 1965 the Radioisotope Laboratory greatly expanded its services both in clinical diagnostic procedures, and in research projects which were carried out in association with many of the specialty services in the hospital. This expansion of services has been made possible in part through the acquisition of several important late-generation instruments which permit considerable sophistication in planning radioisotope studies. These include the automatic 100 sample 2 channel gamma counter which permits use of over-night and weekend periods for prolonged very accurate counting. An-

other addition is a 2,500 pound large volume counter which enables counting of large specimens without processing, a development particularly useful in stool and urine studies.

Expansion of the technical staff from two to five has greatly increased the special services available to the clinical and research staffs of the hospital. Routine tests are performed more frequently, and with more hands to share the work, the time-consuming work of developing new methods in the rapidly growing field of nuclear medicine has become possible.

Through the generosity of Mr. and Mrs. Robert McKim, the patient waiting area was decorated and furnished, bringing a touch of comfort to the temporary headquarters of the laboratory in the Plant basement.

Three studies, involving 75 volunteer subjects, were carried out to assess the effect of certain drugs on fecal blood loss. Drugs studied in this way included indomethacin, aspirin, dexamethasone, and combinations of these drugs, and Geigy GPA-878.

Modification of the techniques of specimen handling and counting were developed which allowed more information, including red cell survival studies, to be gained with smaller doses of radioactive chromium.

Twenty-two studies were carried out during 1965 on the diuretics chlorothiazide and furosemide. This experiment was designed to measure quantitatively the acute changes in red cell mass, plasma volume, and plasma albumin compartment shifts following intravenous diuretic administration. An acute red cell dehydration, not previously described and susceptible to measurement only by rapid sequential injections of tracer red cells was observed and is being reported.

Studies of exchangeable sodium, circulation time, plasma volume, and urinary sodium excretion are being made in the study and control groups of a Public Health Service supported project, being carried out in cooperation with the Community Health Studies Unit. Approximately 200 individual patient studies were carried out during



1965. Analyses of cardiac output data on these patients, and correlations with body sodium and body weight, have been added during the past year.

Total body K measurement by  $^{42}\text{K}$  dilution are being carried out pre and post valve replacement in cooperation with Dr. McCord and the heart surgery team. This project, currently in the calibration stage, will test the hypothesis of Moore *et al.* that the severe K depletion of heart failure is reversible with restoration of a competent circulation.

Tracer studies of hydrocele albumin have been carried out in cooperation with the Urology service, using both the disappearance of IHSA from the hydrocele after intracelomic injection, and the appearance of tracer albumin in hydrocele fluid after intravenous injection.

#### RADIOISOTOPE LABORATORY STAFF:

Richard P. Keating, M.D.		Consultant
Richard N. Pierson, Jr., M.D.	Half-time	Director
Coenraad Westermann, M.D.	Part-time	Associate

#### *Tissue Culture Laboratory*

The major project in this laboratory in the past year involved modification of the well method of marrow culture to make it more quantitative. Because the numbers of different kinds of blood cells vary from one part of a marrow explant to another and there is no way of removing all the cells from an explant without destroying or losing most of them; this has been a formidable obstacle to making quantitative observations on the effect of environmental factors on the formation of different kinds of blood cells. The approach being made is to employ an isotope which will be selectively utilized by a particular type of cell. In the case of red cells this is obviously iron incorporated as hemoglobin; granulocytes are reported selectively to incorporate sulfate in their granules. By measuring the total amount of iron in the explant and the radioactive iron each explant can act as its own control. There is still a great variability in the amounts of iron in each explant, so from eight to ten wells have to be used for each set of conditions. Preliminary observations with



erythropoietin supplied us by Dr. Albert Gordon of New York University have shown several times as much incorporation of iron in the cultures with erythropoietin.

The other part of our studies concerns the differentiating potential of the lymphocyte. By filtering fresh blood through mesh stockings we can get a preparation practically free of all granulocytes and monocytes. The lymphocytes are then cultured. Labeling of the lymphocytes with tritiated thymidine is accomplished during the first day of culture. In these cultures endothelial lined structures are observed to form in a few days, with label in the endothelial cells, indicating that they must have been derived from the lymphocytes. In the presence of chronic myelogenous leukemia serum proliferative activity in the endothelium with formation of mononuclear cells containing label has been observed.

With use of cellulose acetate strips in a tris-EDTA-borate buffer at pH 9.2 electrophoretic separation of hemoglobins A, A<sub>2</sub>, F, S and C is sharp enough to permit quantification. This technique has been applied to an increasing number of blood samples. It is quick and reduces to a single operation what has previously required two or three procedures.

TISSUE CULTURE LABORATORY STAFF:

Edward H. Reisner, Jr., M.D.

Part-time

Director

## ACKNOWLEDGMENTS

We should like to acknowledge with gratitude the support for our research activities provided by the following organizations:

American Heart Association. Arthritis & Rheumatism Foundation. Division of Community Health Service of the Public Health Service. Dula Foundation. Farrell Foundation. Geigy Chemical Corporation. Hartford Foundation. Health Research Council of the City of New York. Holmes Foundation. Life Insurance Medical Research Fund. Floyd Brothers. Merck Sharp & Dohme Research Laboratories. National Institutes of Health. New York Heart Association. Nutrition Foundation. Christopher D. Smithers Foundation. Special Dairy In-

dustry Board. Stony Wald Corporation. Irwin R. Strasburger Foundation. Whitehall Foundation.

In addition, a number of contributions were received from individuals and these are acknowledged in another portion of this report.



# Obstetrics and Gynecology

Harold M. M. Tovell, M.D., Director

**I**n August of 1965 the new Woman's Hospital at 114th Street and Amsterdam Ave. opened its doors to patients, thus beginning a new era in the annals of its 111 year history. The new building was formally dedicated by the Rt. Rev. Horace W. B. Donegan, DD., Bishop of New York, and appropriately the major address entitled "Wedding or Birth" was given by Dr. Axel N. Arneson, President of the American College of Obstetricians and Gynecologists.

Despite the many intricacies of planning and organization, the move was accomplished without compromise to patient care.

## Out-Patient Care

*Out-Patient Department:* Table I lists the clinic visits to the various divisions of the Obstetrical and Gynecological Out-Patient Service during the year. There were a total of 23,449 visits, representing 5,200 visits less than in the previous year. It is difficult to attribute this decline to any single factor. The fewer number of clinic examining rooms available, the policy of taking patients from the St. Luke's Hospital Center district only (a policy that did not exist while Woman's Hospital was located at 109th Street), and the increase in charges made for out-patient visits and in-patient care may have contributed to the fewer number of out-patient visits. There were 3,565 visits (10% of the total) made as free visits.

*Family Planning Clinic:* This year marked the first year that the Woman's Hospital developed a Family Planning Clinic. It was

opened in March under the direction of Dr. Stuart Oster as a weekly clinic. Within a year it was necessary to expand to two clinic sessions a week in order to provide sufficient time needed to satisfy the demands of this essential service. The opening of the clinic was made possible by two large donations, one from the W. T. Grant Foundation and the other from the Bronx-Manhattan Planned Parenthood Association. It is recognized that family planning ideally belongs in the area of post-partum care. The necessity of such a special clinic is warranted to maintain a careful supervision and follow-up of both current and new developments in contraceptive techniques.

*Riverside Health Clinic:* In keeping with the policy of St. Luke's Hospital Center to participate in community health programs, the Department of Obstetrics and Gynecology entered into an agreement with the Department of Health of New York City to provide two physicians to take on an obstetric satellite clinic at the Riverside Health Clinic. Dr. Ian Van Praagh in association with Dr. Randolph P. Harris is in charge of this clinic. There are two clinic sessions per week that provide pre-natal, post-natal and family planning services. Patients cared for at this clinic are delivered at Woman's Hospital. Because of the proportionately large percentage of high risk pregnancies in this group, these patients contribute greatly to our student and resident teaching programs.

#### **In-Patient Care**

*Hospital Admissions:* Table II tabulates the admissions to the service and shows a total of 5,352 obstetrical and gynecological patients admitted in the past year. This is about two hundred admissions fewer than the previous year. It is felt that once the additional 20 semi-private beds on the 9th floor of the new building are available, that this trend will correct itself. There were also some 200 fewer obstetrical admissions to the service which may be in part a reflection of both the local and national trend in the declining number

of deliveries in addition to the newly established and much higher clinic rates as previously mentioned.

*Obstetrical Service:* The performance of the Obstetrical Service of the hospital is shown in Tables III and IV. There were 225 fewer deliveries than in the previous year. One maternal death occurred following a cesarean section. A necropsy was not obtained and the cause of death was thought possibly to have been due to post partum eclampsia.

The reason for the decline in the number of deliveries, in addition to those mentioned above, may in part be due to the same reason that accounted for a quarter of a million fewer births in the nation in 1965 than in 1964. In the U.S. there were 3,767,000 births in 1965, the first year since 1953 that the total failed to reach the 4,000,000 mark. It was also the year that marked the 18th anniversary of those babies born in 1947, the peak year of the post war baby boom.

The possible reasons advanced for this decline by the United States Public Health Service fall into three categories:

1. The proportion of women in the fertility range of 15-45 years of age has declined over the past 25 years so that this group of women is only sufficiently large enough to maintain the birth rate level recorded in the 1930's.

2. There is a decline in the birth rate in women over the age of 30 where the rate was unusually high during the 1950's. These couples made up for births postponed when they were in the early childbearing ages during the late 1930's and early 1940's, the war years.

3. The drop in birth rates among younger couples, wider spacing of births and the decline in the number of children desired per family are also possible contributing factors.

*Gynecological Service:* The performance of the Gynecological Service is summarized in Table V. There was a total increase of 774 gynecological operations over that of the previous year. The number of ward operations decreased by 154 while that of the private and semi-private service increased by 938. The reasons for



the decline in the number of ward operations are not clear, but may perhaps be due to the same local factors that might have affected the ward obstetrical service. The increase in the number of private and semi-private operations reflects what was to be expected when the hospital moved to its more attractive quarters.

### **Social Service**

Under the capable guidance of Mrs. Felicia Van Praagh, Assistant Director of Social Service, and her excellent staff of four workers, this vital service continues to grow. The total case load increased from 115 cases at the beginning of the year to 128 active cases at the end of the year. In addition, the number of patient interviews per month increased from 240 in January to 407 in December.

The total number of interviews with patients during the year was 4,780 or 2,157 more than in the previous year. There was an additional total of 3,960 interviews made with social agencies, physicians and other professional personnel representing an increase of 849 such interviews made in 1964. The many other valuable and noteworthy contributions carried out by the Social Service Department for the benefit of our patients have been reported elsewhere and are highly commendable.

### **Resident Teaching and Training Programs**

*Teaching Program:* Besides the regular Monday afternoon two hour staff conference and the Thursday afternoon resident seminar, additional teaching programs were added during the year.

1. A weekly Tumor Rounds and Conference was introduced to teach and to promote instruction and guidance in the management of gynecologic neoplasia. These rounds and conferences are held each Thursday following tumor clinic.

2. Weekly grand rounds on obstetrics and on gynecology are held every Saturday morning. These rounds are designed primarily for bedside teaching and instruction of residents. They have proved to be a highly popular teaching session.



3. The supervision of the Obstetrical Service continued to be under the direction of Dr. Graham Hawks and Dr. Bernard Nathanson. In addition to their daily rounds on the service Dr. Hawks held a weekly obstetric conference for the residents and students.

4. A weekly gynecology-pathology conference for the residents has been held by Dr. George Munsick of the Department of Pathology. This session promises to be of value in training the residents to correlate their clinical findings with pathology findings.

*Training Program:* After much deliberation with members of the staff and consultations with educators and program directors in Obstetrics and Gynecology it was decided that the Obstetrical and Gynecological Training Program at the Woman's Hospital should be extended from three to four years. This is in keeping with a trend that is occurring throughout the country in both affiliated and non-affiliated teaching institutions. The purpose of the extra time is to give each resident more flexibility throughout his training and to provide him with additional time for exposure in gynecology, pathology, surgery and urology in the pursuit of some research endeavor.

#### **Student Teaching and Training Program**

During the year negotiations were carried out with Dr. J. George Moore, the newly appointed Willard C. Rappeley Professor of Obstetrics and Gynecology, Columbia University, College of Physicians and Surgeons, to have fourth year medical students come to Woman's Hospital for their clinical clerkship. Early in 1966 two medical students started to be assigned each month to this department on a regular basis. This relationship with the medical school offers many advantages to both the students and the Obstetrical and Gynecological Service alike.

## Research Programs and Activities

### *Basic Research*

1. *The Cytogenetic Laboratory* under the direction of Dr. Barbara Johnston, Research Assistant in Obstetrics and Gynecology, has carried out research programs in four principal areas.

- I. The evaluation of a combination of cancer chemotherapeutic agents in tumor tissue grown in small laboratory animals. This work has been accepted for publication.
- II. Morphological changes observed in the WBC in peripheral blood have been studied in both healthy and sick patients as well as in patients suffering from malignant disease. Specifically these changes have been noted in large monocystic cells, and appear as small inclusion bodies within the cytoplasm and are seen only in patients with malignant disease. In a double blind prospective study of some 450 randomly chosen patients, a 92% accuracy of predicting which cases have malignant disease, has been obtained.
- III. In association with Dr. Richard Stark of the Department of Surgery, a chromosome analysis of patients with cleft palates or hair lip deformities or both has been initiated.
- IV. The effects of various chemotherapeutic agents on normal bone marrow cells of small laboratory animals is being studied. Both the type and duration of observed changes where present are being evaluated with respect to the duration and dose of the agent administered to the animal.

2. *The Bioacoustical Laboratory* under the direction of Dr. Lajos von Micsky, Assistant Attending Obstetrician and Gynecologist, continued to develop ultrasonic techniques to a point where such diagnostic techniques are being routinely applied to a variety of Obstetrical and Gynecological conditions. Two developments in this laboratory are noteworthy (a) a transvesical scanner that permits greater definition and detail of pelvic disease (b) an anechoic chamber type of transabdominal scanner which is more suitable

and greatly facilitates scanning the abdomen and pelvis of pregnant uterus has been developed.

3. *The Uterine Physiology Laboratory*, also under the direction of Dr. von Micsky, has been primarily occupied with two developments (a) a further refinement of a cervicometer that permits placing this instrument under direct vision and thereby provides a greater accuracy in measuring the transverse diameter of the cervical opening during labor. (b) An analog computer method of computing the elastic forces and the correlation of the propulsive and resistant forces encountered in labor, by linear regression and correlation analysis.

#### Clinical Investigations

Several retrospective and prospective clinical studies have been carried out by members of both the attending and resident staffs. In the past the assignment of clinical studies or projects to residents during their training program has proved helpful as an additional means of further evaluating an individual's clinical potential.

*Dr. Haig Carapetyan, Attending Obstetrician and Gynecologist, and Dr. Miguel Pulido, First Assistant Resident*, reviewed over 200 cancer cases of polycystic ovarian disease from both the ward and private patients. The expected subsequent fertility rate in this series appeared to be comparable to similar series reported by other investigators.

*Dr. Harold Tovell* in association with Dr. Paul Torrens and Dr. Beatrice Berle of the Department of Medicine and Dr. Stuart Stevenson, Director of Pediatrics and Dr. Charles Begg, Director of Pathology, have submitted plans outlining a program for developing the first Genetic Counseling Service at St. Luke's Hospital Center. These plans are currently acceptable to the Department of Health of New York City and is hopefully anticipated that this program will be acceptable; with federal funds made available through the Department of Health, Education and Welfare. If accepted it will be the first program of its type in New York City.

*Dr. Carl Javert, Attending Obstetrician and Gynecologist and Dr. Stuart Oster, Assistant Attending Obstetrician and Gynecologist,* continued their prospective study of the management of the incompetent cervix treated during pregnancy by the use of the Smith Hodge Pessary. 27 cases have been studied to date with results comparable to currently acceptable surgical means of correcting this abnormality. Out of 27 patients 29 viable pregnancies were obtained. A preliminary report of this ongoing study is in press.

*Dr. Elise Renning and Dr. Harold M. M. Tovell, Attending Obstetricians and Gynecologists,* in association with Dr. Leonard Liegner, Chief of the Radiotherapy Department, have developed a marginal punch card for coding and subsequent evaluating of all cases of cancer of the cervix seen at Woman's Hospital. It is planned to carry out on these forms both a retrospective and prospective study in depth of our performance in managing this disease.

*Dr. Bernard Nathanson, Assistant Attending Obstetrician and Gynecologist and Dr. Wayne Boring, Resident in Obstetrics and Gynecology,* reviewed the management of labor and delivery in the presence of a hydrocephalic fetus. By means of a transabdominal fetal encephalocentesis a case was successfully managed and published. Dr. Nathanson, in association with Dr. Joseph Ward, Assistant Attending in Urology, reviewed a series of cases of pelvic kidneys in pregnancy. This work was subsequently published.

Dr. Nathanson in association with Dr. Richard Pierson and Dr. Sami Hashim of the Department of Medicine, are investigating the metabolism of Octanoic acid in the fetus with isotope techniques.

*Dr. John S. Aldridge, Assistant Attending Obstetrician and Gynecologist,* reviewed and reported the end results of cases of cancer of the cervix treated at Woman's Hospital for the Annual Report on the results of treatment of this disease. This report, currently under the patronage of the International Federation of Gynecologists and Obstetricians and sponsored by the leading cancer organization in 10 different countries. Woman's Hospital continues to be one of

the 116 institutions and one of the largest contributory institutions to this world wide report where its statistics date back for 45 years.

*Dr. Ian Van Praagh, Assistant Attending Obstetrician and Gynecologist*, continued to be associated with *Dr. von Micsky* in the study and evaluation of the forces of labor as related to intra uterine pressure and cervical dilatation. This work has been made possible by a generous grant from the National Institutes of Health.

Dr. Van Praagh has completed the documentation on marginal punch cards of all pertinent data and information relative to all cesarean sections performed at Woman's Hospital for the 8 year period, specifically from 1958 to 1965. This is a continuing study and a preliminary report has been prepared. It is of interest to note the gradual change in the indications for this type of delivery, a trend that is consistent with other teaching institutions in the country, particularly as the operation carries with it less hazards than it did in former years.

Dr. Van Praagh has also continued his observations on the use of paracervical block anesthesia in both obstetrics and gynecology. This work has been published. To date over 530 cases have been evaluated without a single complication. This recently developed modality of cervical and uterine anesthesia has an already well established place in the management of simple obstetrical gynecological procedures.

*Dr. Stuart Oster, Assistant Attending Obstetrician and Gynecologist* has reviewed all the maternal deaths occurring at the Woman's Hospital in the past 30 years. In over 30,000 deliveries there was an incidence of .094% maternal deaths, a figure far superior to that for the rest of the nation. 25% of the deaths were associated with cesarean section. Comparable to the rest of the country the majority of the 66 deaths were due to hemorrhage and infection.

*Dr. George Povey, Resident in Obstetrics and Gynecology*, developed a new type of paracervical and pudental block needle for administering local anesthesia to those areas. The needle is both

simple and inexpensive and can be made quite easily by modifying the readily available spinal needles. A report on this instrument has been published.

*Dr. John Rudolph, Resident in Obstetrics and Gynecology*, in association with Dr. John Bertles of the Department of Medicine, has continued the prospective study of Sick Cell disease in pregnancy. To date over 45 patients with this disease have been followed closely.

### **Staff Activities**

#### *Presentations and Honors*

The Woman's Hospital served as host to the Obstetric and Gynecology Section of the New Jersey Chapter of the American College of Surgeons. Three papers on work in progress were presented by members of the Obstetric and Gynecology Staff, namely, Dr. Ian Van Praagh, Dr. Lajos von Micsky and Dr. Stuart Oster. Dr. Carapetyan and Dr. Tovell in association with Dr. Russell Lavengood of the Department of Urology and Dr. Raymond VandeWiele, Associate Professor of Obstetrics and Gynecology, College of Physicians and Surgeons, served on a panel and discussed "New Horizons in the Management of the Infertile Couple". Dr. J. Ward, Department of Urology, also presented a paper.

*Dr. Carl Javert, Attending Obstetrician and Gynecologist*, was elected President the New York Gynecological Society. Dr. Javert was instrumental in founding this society.

*Dr. Harold M. M. Tovell* was elected to the Advisory Committee of the Section on Obstetrics and Gynecology of the New York Academy of Medicine and served as Chairman of the Committee on Continuing Education of the Obstetrician and Gynecologist for District II of the American College of Obstetricians and Gynecologists. He served as Chairman in one and participated in two post graduate teaching symposiums, one on "The Fetal Aspects of the

High Risk Pregnancy" sponsored by District I and District II of the American College of Obstetricians and Gynecologists and one on Vulvo Vaginal Diseases sponsored jointly by Jefferson Medical College and Pennsylvania State University in Philadelphia: In addition to several talks given in various New York teaching hospitals, Dr. Tovell presented a paper on the "Conservative Treatment of Ovarian Disease" at the American College of Surgeons Meeting in Atlantic City. He also served on the National Medical Committee of Planned Parenthood World Population, the Maternal Mortality Committee of the New York County Medical Society and the Obstetrical Advisory Committee of the Department of Health.

*Dr. Ian Van Praagh* was invited to present a paper on the "Use of Paracervical Block Anesthesia in Obstetrics and Gynecology" before the Royal College of Physicians and Surgeons of Canada in Montreal.

*Dr. Lajos von Micsky* presented two papers on his work in Ultrasonics in Clinical Obstetrics and Gynecology, one before the American College of Obstetricians and Gynecologists in San Francisco and one before the Mexican Gynecological Society in Mexico City. He also was invited to participate in the International Symposium on Diagnostic Ultrasonics held in Pittsburgh. He also was invited to present a paper and to serve as chairman in the First Pan American Meeting of the American Institute of Ultrasonics in Medicine.

*Promotions:* Dr. Graham G. Hawks was promoted from Associate Attending Obstetrician and Gynecologist to Attending Obstetrician and Gynecologist.

*Publications:* Besides many talks given by various members of the staff there were 15 papers either accepted for publication or actually published during the year emanating from the Department of Obstetrics and Gynecology. These were contributed by Drs. Nathanson, Van Praagh, von Micsky, Johnston and Povey.

*Visitors to the Hospital:* There were 18 guest speakers invited to contribute a paper or talk at our Staff Conferences. In addition there were six distinguished visitors who came to the hospital and either contributed to a Staff Conference or Resident Seminar. These were Mr. Ian Jackson, Obstetrician and Gynecologist, Middlesex Hospital,



London; Mr. John Stallworthy, Professor of Obstetrics and Gynecology, University of Oxford; Mr. Archibold Duncan, Professor of Obstetrics and Gynecology, University of Wales; Prof. Antonopoulos, Professor of Obstetrics and Gynecology, University of Athens; Dr. Nicholas J. Eastman, Professor Emeritus of Obstetrics and Gynecology, Johns Hopkins University, Baltimore and Dr. Axel N. Arneson, President of the American College of Obstetricians and Gynecologists.

*Donations:* Several donations were made to the hospital during the year to support essential programs. To the W. T. Grant Foundation, The Bronx-Manhattan Planned Parenthood Association and the Assistant Board of the Woman's Hospital and to the many others who have contributed to the hospital, we owe a debt of gratitude and are deeply appreciative.

**Table I: Obs-Gyn Out-Patient Department Statistics—1965**

Clinic	1st Visit to Clinic	Revisit	Total Visits
Family Planning .....	190	984	1,174
Gynecology .....	3,007	6,409	9,416
Gynecology Follow-up .....	240	428	668
Gynecology Tumor .....	26	569	595
Infertility & Endocrine .....	68	238	306
Obstetrics Medical .....	6	198	204
Pre-Natal .....	1,236	8,643	9,879
Post-Natal .....	360	847	1,201
<b>TOTAL .....</b>	<b>5,133</b>	<b>18,316</b>	<b>23,449</b>

**Table II: Obs-Gyn Admissions—1965**

	Ward	Semi-Private	Private	TOTAL
Obstetrics .....	1,498	617	281	2,396
Gynecology .....	1,028	1,390	538	2,956
<b>TOTAL .....</b>	<b>2,526</b>	<b>2,007</b>	<b>819</b>	<b>5,352</b>

**Table III: Obstetrics Summary—1965**

	Ward	Private	TOTAL
No. of Deliveries .....	1,217	838	2,055
No. of Births (discharged)			
Non-viable (< 500 grams) .....	3	1	4
Pre-viable (500-999 gms) .....	7	4	11
Viable Premature (1000-2499) ..	112	57	169
Viable Term (> 2500 gms) .....	1,072	773	1,845
TOTAL .....	1,194	835	2,029

**Table IV: Types of Obstetrical Deliveries—1965**

	Ward	Private	TOTAL
Spontaneous .....	560	323	883
Low Forceps .....	437	339	776
Mid Forceps .....	70	43	113
Breech .....	39	17	56
1° Cesarean Section .....	52	84	136
Repeat Cesarean Section .....	36	51	87
Vacuum Extractor .....	23	4	27
TOTAL .....			2,078

**Table V:**

	Ward	Private & Semi-Private	TOTAL
Major Operations .....	406	1,270	1,676
Minor Operations .....	440	1,699	2,139
Operations for Cancer .....	27	46	73
TOTAL .....	873	3,015	3,888

**1968**



# Oral Surgery and Dentistry

Henry G. Rieger, D.D.S., Director

**T**he rapid changes of the past few years resulted in a very active year at the Hospital Center during 1965.

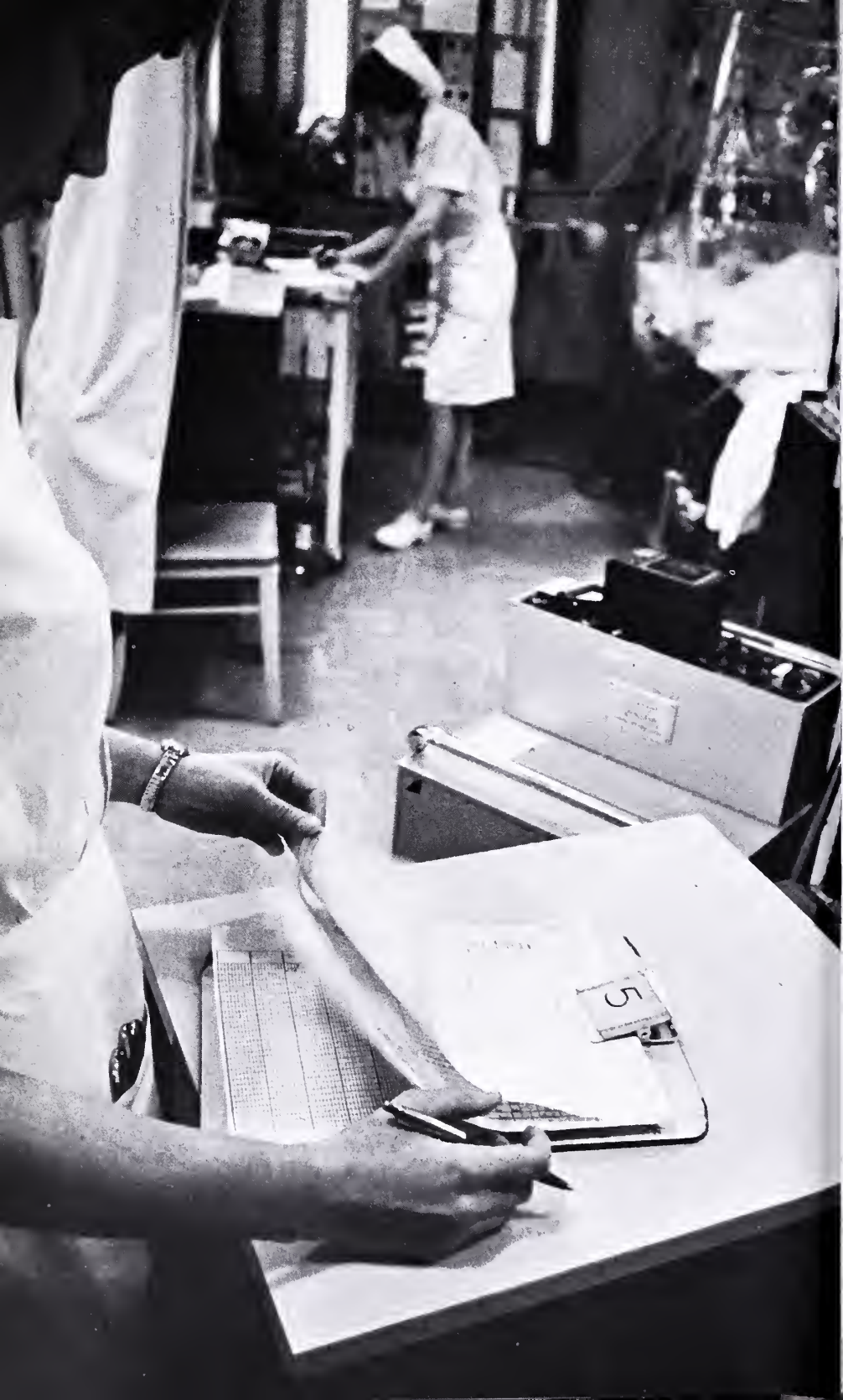
Dr. Eugene R. Ball was elected a House Delegate to the American Dental Association, to the Council on Annual Sessions, and to be Chairman of Public and Professional Relations of the First District Dental Society.

Dr. Malcolm W. Carr was the recipient of the Henry Spenadel Gold Medal Award and Citation, "in recognition of contributions to the welfare of humanity in the field of dentistry," presented by the First District Dental Society of New York, October 4, 1965. The Henry Spenadel acceptance speech and address are published in: *The New York Journal of Dentistry*, 1965, Vol. 35, No. 9 (November), Lecture and seminar, Graduate School of Medicine, University of Pennsylvania.

Dr. Jerome Friedman was appointed to the Oral Hygiene Committee of Greater New York. He reviewed and reported the "Efficacy of Tegretol", a new acute convulsant agent, in the treatment of Trigeminal Neuralgia in an Oral Surgery Journal.

Dr. Henry G. Rieger requested promotion to the rank of Consultant as of January 1, 1966.

Dr. Edward Stroh is President-elect of the Metropolitan Conference of Hospital Dental Chiefs. He will be elevated from Chief of Clinic to Departmental Chief on January 1, 1966.





# Orthopedic Surgery

**T**he Orthopedic Department of St. Luke's Hospital Center continues to provide care for the community, engage in resident training and clinical research, and provide teaching at the undergraduate and postgraduate levels.

The activity of our Service over the past year is reflected by the following statistics:

Admissions .....	1,233
Orthopedic .....	5,697
Clinic Visits	
Orthopedic .....	5,697
Fractures .....	1,457

## Residency Training

There is an increasing interest in orthopedic surgery at undergraduate and recent graduate levels, as reflected by the increased number of applications for training we have received. Our residency program is filled for the coming year, but we have a large number of applications from which to select future residents.

Our Service trains six orthopedic residents, two at each of the three resident levels, with progressively increased responsibility. As Chief Resident the trainee manages the Ward Service under the direct supervision of the Director of the Department.

Experience in children's orthopedics is augmented by our affiliation with St. Gile's Hospital in Brooklyn. Each of our residents spends six months there during his three years' training.

The problems that arise in the management, the diagnosis and the treatment of fractures are due to the lack of adequate x-ray facilities

in the Accident Room. This is most apt to occur during the night time and on holidays due to limited staff in several areas. It is hoped that these necessary facilities can be established soon to render adequate patient care and to make possible the rapid diagnosis and treatment of painful fractures and joint trauma.

Over the past year it has been the policy of the Hospital to have the Department of Orthopedic Surgery manage all service patients with fractures or joint injuries. A surgical resident at the second-year level has been assigned to us for a three-month period, during which time he receives instruction in the principles of fracture management and orthopedic surgery. Our staff has welcome this opportunity both to instruct residents and to treat the ward patient. We believe that it has resulted in an improvement in both areas.

The success and wide scope of our teaching program is reflected in the continued high passing rate of our residency graduates on the examinations of the American Board of Orthopedic Surgery.

During 1965 Drs. Jerome Moga and Alex Angelides completed their training and are now engaged in practice in Mount Kisco, New York, and at Amarillo Air Force Base respectively. Dr. Moga has been added to our staff.

#### Staff Activities

The success of our program and the service in general is directly due to the tireless efforts of the members of the staff, who give so freely of their time. They have been responsible for resident instruction in the operating room, clinics, seminars, journal clubs, as well as carrying out individual research projects.

Not only is our staff active locally, but it is well represented nationally. Over fifty presentations were given by our Service in 1965. Our Department is intimately involved in such organizations as the American Academy of Orthopedic Surgeons, American Medical Association, American Orthopedic Association, the American College of Surgeons, and similar organizations. During the 1965 convention of the American Academy of Orthopedic Surgeons, St. Luke's Hospital Center again contributed more lectures,



movies, exhibits and presentations to the program than any other single institution.

Dr. Frederick R. Thompson has given much of his free time to the direction of the Service and was recently elected to the post of Vice President of the American Academy of Orthopedic Surgeons. He continues to devote a great deal of his interest to problems of degenerative hip disease and its treatment by the replacement prosthesis that he designed.

Dr. Edward M. Winant is an associate editor of the Journal of Bone and Joint Surgery, as well as a regent of the American College of Surgeons and a trustee of the University of Vermont. These three activities occupy a great deal of his time.

Dr. J. William Fielding, who is now Chairman of the Audio-Visual Section of the American Academy of Orthopedic Surgeons, is engaged in clinical research related to the cervical spine, intervertebral discs, and related structures. With Dr. Hudson J. Wilson he continues to study the effects of the telescoping nail in the treatment of the displaced intracapsular fracture of the femoral neck.

Dr. Hudson J. Wilson, the Chief of Clinic, provides direction and instruction in our Out-Patient Department. He is greatly interested in the effect of the subtrochanteric osteotomy on the pain and the healing roentgenographic changes often seen in osteoarthritic hips in these elderly individuals. His research in this field is encouraging.

Dr. Leon Katowitz is active in our teaching program and gives weekly anatomy lectures and dissections to our resident staff and to residents of other services interested in the course.

Dr. Henry J. Magliato, along with Drs. Zickel and Hill successfully passed Part II Examinations of the American Board of Orthopedic Surgery. We are proud of the high standards set by these men on the Examinations. Dr. Magliato has recently completed a study of hereditary exostoses in which he has reported findings previously unpublished.

Dr. Robert E. Zickel has devised an ingenious device for the internal bone fixation of the difficult subtrochanteric fracture. It has been used in several of our patients with great success and may well

be universally accepted as a standard treatment for this fracture in the future.

Dr. Norman A. Hill continues his work on problems related to the hand. He has worked tirelessly to provide resident education in upper extremity surgery.

### **Research**

Clinical and investigative research is constantly being carried out by most members of the staff at St. Luke's Hospital. Some of this research has been significant and has resulted in the development of new techniques and devices which are used by orthopedic surgeons both nationally and internationally. We are indeed proud of the achievements of this Hospital in these fields.

Plans for basic research are under way at present, some of which have materialized. Dr. Majefsky of our research laboratory is studying the hydroxyproline excretion in health and disease. We have performed over 1,000 determinations to date and expect to draw valid conclusions referable to this material in human metabolism.

Our main research still is directed toward the determination of bone hardness and the treatment of osteoporosis. Other projects include studies on the healing of fractures, and the relationship of the nuchal ligament to the balancing mechanisms of the head. Auto-radiography lends itself well to the study of certain orthopedic problems with radio-active molecules deposited in the cells forming bone. It is our intention to begin learning this important technique so that in the future it can be applied to problems that need to be solved.

The Orthopedic Service has grown rapidly in the past few years and we expect it to increase even more in the future.

# Otolaryngology

Stanley Whitfield, M.D. Director

## General

The effort in 1965 was twofold. The first was the continued maintenance of good patient care, both on an inpatient and an outpatient basis.

The second was a continuation of the buildup of the attending staff, that had started in 1963, with young, well-trained otolaryngologists. By 1965 this started to show signs of producing results by allowing much more adequate resident supervision and also by introducing to resident training, additional interesting diagnostic material and surgical cases out of their private practices. The intelligent observation by residents of the diagnostic investigation and surgery on private patients should be an important part of their training, especially in the early stages.

The above two factors have resulted in an improvement in the quality of material handled by the department. This is shown by the more complex and extensive type of surgical cases handled by the department, especially in relation to head and neck surgery. Tympanoplastic or reconstructive middle ear and mastoid surgery for the control of infection and improvement of hearing has continued unabated. Unfortunately, there is a continued lack of clinical material with conductive type hearing losses of non-inflammatory origin and of the type which would require stapedectomy surgery for improvement. Routine audiometric testing of all new patients visiting the Ear, Nose and Throat Clinic has failed to produce a significant number of patients suffering from otosclerosis.

The surprising feature is that this increased activity of the Department has been supported by a relative resident shortage. For most

of the year the department has managed to function with only two residents instead of the usual three and, as always, without any intern staff. This shortage has been intentional and calculated in order to bring the resident rotation back onto schedule. This latter should be accomplished by 1966. The present resident staff should be complimented on their hard work during 1965.

Some disappointment must be expressed concerning the request, by other services of the hospital, for ear, nose and throat consultations. This remains relatively small in relation to the size of the hospital. Otolaryngology is basically a referral service, having little direct access to patients, but depending for its flow of material on the cases referred mostly by the major services of Medicine, Pediatrics and General Surgery. A well-rounded teaching hospital requires active specialty services and such specialty services cannot be active, progress and organize satisfactory residency training programs unless the clinical cases and problems which they traditionally handle are referred to them by the staffs of the major services both in the outpatient and inpatient areas. It should perhaps be stressed that the department is more than willing to see all ENT problems no matter how apparently small.

#### **Staff Changes and Promotions**

Dr. Hilton Stothers and Dr. Ashby Martin were promoted to the rank of Consultant.

Dr. Richard Bellucci was promoted to the rank of Associate Attending Otolaryngologist.

The department was pleased to add two new members to the attending staff and welcome a third back from military service.

Dr. Lachlan MacKenzie completed his residency in the Department and joined the staff as an Acting Assistant Attending Otolaryngologist. In addition, Dr. MacKenzie opened his office to practice Otolaryngology in Staten Island.

Dr. Ira Rothfeld joined the staff as an Acting Assistant Attending Otolaryngologist. Dr. Rothfeld trained at Mt. Sinai Hospital in New

York and joined the staff in September after touring the major ear, nose and throat centers in Europe for two months. Dr. Rothfeld will, in addition, be on the staff of Mt. Sinai Hospital and will practice in Manhattan.

Dr. Raymond Strauss returned as an Acting Assistant Attending Otolaryngologist to assist in the affairs of the department after being on leave of absence in the Armed Forces for two years. During his stay with the Army Dr. Strauss gained useful surgical experience. He also returned to his practice in Englewood, New Jersey.

The following changes occurred in the resident staff:

Dr. Andrew Dadagian completed his ENT residency in December and proceeded to a tour of duty with the Armed Forces.

Dr. Taddeo Laiacona returned as second year resident, having been absent for twelve months completing his one year of General Surgery residency.

Dr. Agadurappa Mahadevaiah started his first year of residency in July.

#### **Staff Activities**

Several members of the staff attended the various national ear, nose and throat meetings. In addition, Dr. Hilton Stothers attended the Eighth International Congress of Otolaryngology held in Tokyo.

Dr. Stanley Whitfield and Dr. Samuel Boor attended the First International Workshop in Cancer of the Head and Neck organized by Columbia University in June. They also attended the conference organized by Yale University on Conservative Laryngeal Surgery for Carcinoma.

Dr. Whitfield attended the Conference on Acoustic Neuroma Diagnosis and Surgery by the Translabyrinthine Route organized by the Los Angeles Foundation of Otology.

Dr. Arthur Brenner spent one week studying Methods of Middle Ear Surgery at the Southern California Otological Group.

Dr. Hilton Stothers during the year was Secretary of the American Laryngological, Rhinological and Otological Society and in addition

was a member of the Library Committee of the New York Academy of Medicine.

### **Operating Room**

With the continued policy of updating the surgical equipment in the operating room to allow more extensive and complex surgery, a complete revision was carried out of all the equipment and instruments required for modern ear surgery. This not only allows the department to carry out more adequately the newer techniques relating especially to tympanoplastic and stapedectomy type surgery but also improves the level of resident training. In addition, a second ear operating microscope was purchased. As the quantity of this type work increases both on the ward and on the private services, at times two microscopes are required simultaneously in different operating rooms.

### **Clinic**

Adequate coverage of the clinic by both the attending and resident staff continues. This allows for better patient handling and better on the spot resident teaching. The policy of having all residents attend the afternoon clinics continues and this considerably speeds the processing of patients and avoids long delays which helps establish good doctor-patient relationships.

There are regularly five or six doctors working in the clinic at one time in a limited area. Tentative plans were therefore proposed for altering the physical facilities in the clinic in order to allow for even more adequate handling of patients with increased convenience to the doctors. Hopefully, this will be accomplished in 1966.

### **Hearing and Speech**

This section of the Otolaryngology Service continues to progress under the direction of Dr. James Kirkbright.

Mr. Paul Burgess, Speech Therapist, continues to do excellent

work and is now working near to capacity. He continues, in addition, to attend Delafield Hospital where he gains excellent experience handling the speech problems of the Head and Neck Clinic of that hospital.

Dr. Kirkbright, with the assistance of Miss Diana Meyer, Audiologist, continued to expand the audiometric facilities. More complex testing, including such tests as Bekesy Audiometry and other tone decay tests, are now regularly being carried out. There has also been expansion of the system for hearing and evaluation. This allows for a much more adequate and extensive evaluation of the patient's hearing problem with more accurate diagnosis and the rendering of greater assistance to the patient. In this respect particular attention is being given to the differentiation between central and end-organ types of neurosensory hearing loss. This also is of diagnostic value to the neurologist and neurosurgeon. During the year there was no actual increase in the number of patients being tested for hearing problems but this section also is reaching peak capacity due to the time taken by this more complex evaluation of the patient. A complete audiometric evaluation, as now carried out by the department, requires at least two hours of testing time.

Staff expansion for this department will have to be considered in the future.

The continued able assistance and good advice given by our two consultants to the Hearing and Speech Department, Dr. Jane Zimmerman and Dr. William Canfield, is very much appreciated.

#### **Resident Training**

In spite of the resident shortage, which has resulted in the residents being somewhat overworked handling the routine clinical problems of the department, progress and improvements have been made in the training program.

On the spot teaching continues to be carried out in the ward, in the clinic and in the operating room.



Informal teaching seminars have been organized following the Monday, Wednesday and Friday clinics.

Grand Rounds were established and are carried out once per week.

The following conferences were organized during the year on a monthly basis. Separate Staff and Audiology Conferences are organized by the department staff with guest speakers being invited to address these conferences. At the monthly film conference various otolaryngology training films are obtained for resident viewing and discussion. Combined monthly conferences were organized with the Departments of Pathology and Radiology. The sterling efforts of these two departments are very much appreciated.

#### **Statistics**

There was a total of 6,018 visits to the Ear, Nose and Throat Clinic during the year. This represents a small decrease from the previous year.

In the Hearing and Speech Department there were 1,185 visits for hearing problems and 1,938 visits for speech problems. This represents a total of 3,123 visits and probably represents close to the maximum load that this department can carry with its existing staff.

A total of 610 operations were performed on the Ward Service and 464 operations performed on the Private Service. This figure is comparable to that of the previous year.

A total of 146 Ear, Nose and Throat Consultations were performed by the department at the request of the ward services of the other hospital departments. This represents an unfortunate decrease from the previous year.

# Pathology

Charles F. Begg, M.D., Director

The most significant development in the past year was the move of the Woman's Hospital Division to its new quarters. Major revisions were made in the Clark 4 laboratories so that the additional work load could be accommodated. This was accomplished with no addition in total floor area, the present floor area being used more economically and efficiently.

Because of the increasing demands of the Emergency Room for laboratory work, day and night, the Clinical Laboratory facilities were expanded and the emergency laboratories are now using clinical laboratory facilities at night so that this space is used "around the clock." This has resulted in much more efficient service and less inconvenience to the personnel in the Emergency Room.

Pathology Review Sessions have continued to be held with various other departments of the hospital, as noted in previous Annual Reports, and in addition a weekly Pathology Review Session has been instituted for the residents in OB-GYN.

The department has continued its teaching activities at Columbia University College of Physicians and Surgeons, and for the first time, students from the medical school have come to St. Luke's for instruction. The entire second year class has been accommodated in sections, and emphasis has been placed on the role of the pathology department in a general hospital. This was done by exposing the students to the interdepartmental conferences which this laboratory routinely holds.

Dr. Victor Bokkenheuser has completed his first year as Microbiologist at St. Luke's Hospital Center. Many of the procedures in this division of the laboratories have been streamlined. In addition, Dr. Bokkenheuser is conducting a research study on the incidence

of *Vibrio fetus* in humans. This study resulted from the isolation of this organism from a patient. It is anticipated that this study will be of extreme general interest and preliminary reports have already been given at national meetings.

In Bio-Chemistry, Dr. Dotti has continued his investigation of the possible application of automation procedures. As the result of this an order has been placed for two 12-channel autoanalyzers. These machines are capable of performing 12 tests on each sample of blood submitted to them and each can handle up to 120 samples a day. Installation of this equipment will probably occur before the end of 1966, and we will then be able to give a true chemical profile of disease in patients. Experience in other institutions has shown that many unforeseen abnormalities are discovered in this way which lead to the earlier treatment of disease.

# Pediatrics

Stuart Shelton Stevenson, M.D., Director

**I**n 1965, almost 1,300 children were admitted to Clark 7 and 2,040 newly-born babies were admitted to the Pediatric Service through nurseries of Woman's Hospital. In the same period, about 30,000 children visited the Out-patient Department and Emergency Room. More than half of these 30,000 ambulatory patients were seen in the Emergency Room where children accounted for one-third of all patients seen. Indeed, pediatric patients accounted for 18% of all ambulatory patients seen at the hospital.

The large number of ambulatory patients reflects the increasing tendency of pediatrics to become an out-patient service. The Emergency Room visits included, of course, true emergencies and suddenly occurring illnesses. Most of them, however, represented situations where a mother would previously have brought her child to a physician's office or would have requested a house call. The Pediatric Emergency Room has become, in fact, an "acute care" clinic and there are several reasons for this: Mothers come here when they are unable to come during regular clinic hours (possibly they cannot come until evening when the father is home to look after the other children); mothers in all economic brackets come here because it is difficult on the Upper West Side to obtain a pediatrician willing to make a house call; mothers come here because they have learned that their child will be seen quickly and then given a follow-up appointment in the regular pediatric clinic, when this is necessary, where the same pediatrician will see the child. This follow-up system has been perfected and encouraged because it is often possible with such a system to avoid hospitalizing the patient. Out-patient treatment is economically sound for most income groups

and for the hospital; and it is generally agreed that an ill child is better off at home with his family where this is at all possible.

### **Staff**

The house staff was one of the finest in some years and it was possible to provide a satisfying and valuable formal teaching program for them to complement the basic learning experiences of clinical work.

Dr. Judith E. Frank continued her work in the nurseries of the Woman's Hospital Division and the results of her efforts are re-Woman's Hospital and the results of her efforts are reflected in the very low newborn mortality rates and in the splendid training in neonatology which the house staff receives.

Dr. Irwin J. Polk was appointed Assistant Attending Pediatrician to the hospital. He is a pediatric allergist and fills a long-existing and serious gap in our coverage of pediatric allergy.

Dr. Elizabeth B. Watkins, Chief of the Pediatric Clinic, has worked long hours with Dr. Stevenson and with hospital administration and architects to perfect and finalize plans for the new pediatric clinic.

Again this year, we express our appreciation for the contributions of Dr. Edward G. Stanley-Brown. He remains the always available and helpful clinician, the source of valuable advice and the lucid, understanding teacher. He is, of course, a member of the Surgical Staff but we consider him in every sense part of the pediatric family.

Relations between the Departments of Internal Medicine and Pediatrics have been cordial, helpful and productive and we have called increasingly and gratefully for the expert help, freely available and freely given by our "grown-up" colleagues.

### **Nursing Service**

We express again our gratitude to our fine nursing staff, loyal, devoted and competent. The difficulties of assigning patient beds on Clark 7 are not always appreciated by those unfamiliar with pediatrics or the terrain of Clark 7. Twelve cribs in the nursery simply

cannot accommodate older children even when some of these are empty and there is no other bed available for an older child. Two-bed rooms, the smallest unit available, cannot accommodate an older boy and girl and cannot properly accommodate an older child and an infant. A patient isolated with a contagious disease, and there are many such patients, must be by himself and this "ties up" the other bed in the room. Our nurses spend many hours attempting to reassign patients when the official ward census shows empty beds though none of these beds is actually available for a patient desiring admission.

#### Teaching Program

The formal teaching program for the house staff included for the first time, in addition to regularly scheduled teaching bedside rounds, weekly didactic sessions. Cytogenetics and genetic counseling, taught by Dr. Beatrice B. Berle; pediatric allergy, taught by Dr. Irwin J. Polk; and pediatric psychiatry, taught by Dr. Clarice J. Kestenbaum, were among the notable additions to the didactic teaching program.

Dr. Stevenson has worked closely with Dr. Paul R. Torrens, Director of the Community Health Studies Unit, in planning programs in Community Pediatrics which will become increasingly necessary for proper house staff training. Dr. Torrens plans to add a pediatrician to his staff in the near future to implement these plans.

Mrs. Marcia Peck, the new Playroom Director, has been a superb addition to the pediatric team. She meets weekly with the house staff to discuss the personalities and emotional problems of the children on Clark 7 as she sees them through the eyes of a professionally trained teacher. These discussions help to better the care of our children and also increase greatly the house staff's full understanding of their patients.

### **Parents' Room**

A comfortable, home-like living room for parents of sick children has been a desperately needed addition to Clark 7. Until recently, these frightened, anxious mothers and fathers had no place to stay, except at the bedside or in the corridors. Now, through the generosity of the St. Luke's Hospital Auxiliary, we have such a beautiful room and we are most grateful.

### **The New Pediatric Clinic**

A new pediatric clinic will occupy most of the first floor of the Research and Special Services Building and the architects' blue prints are already completed. This most important and solely needed training will permit the treatment of children away from the sometimes traumatic atmosphere of an adult emergency room, to which victims of knifings and other acts of violence are often brought. The "acute care" clinic will operate 24 hours a day and there will be enough additional examining rooms for daily follow-up clinics, appointment clinics and pediatric sub-specialty clinics, such as allergy, cardiology, hematology, neurology, and surgery. One of the features of the new clinic will be a room with a one-way vision screen to permit observation of children and aid in their psychiatric and psychologic care.

### **The Future**

St. Luke's Hospital Center—indeed all of Manhattan—has a real need for more active, practicing pediatricians. It is difficult to entice physicians back into the city when they have once set up practice in a suburban area and it seems obvious that we must train our own new attending staff. With this in mind, house officers are appointed, when possible, who wish to live in our area and practice here.

The Department of Pediatrics has never had a broad and sound research program. This is a vital need if we are to train our house staff properly, if we are to keep up to the minute in modern methods



of patient therapy and if we are to become truly affiliated with Columbia's College of Physicians and Surgeons. We are currently negotiating with an unusually well trained research pediatrician to head up such a program under Dr. Stevenson's direction. This man has been closely identified with the College of Physicians and Surgeons in recent years and will be an invaluable addition to the Department. Pediatric laboratories are included in the plans for the Research and Special Services Building and the future of pediatric research here seems bright and promising.



# Physical Medicine

Shyh-Jong Yue, M.D., Director

**T**he year 1965 has been a year of further stabilization and modest growth. New equipment included a Jobst machine, designed exclusively for the treatment of lymphedema in the extremities; it is of great help in relieving edema in the upper extremities of patients with radical mastectomies. An additional shortwave diathermy was purchased to meet demands for its use.

Plans are proceeding for the new department on the 6th floor of the Vanderbilt replacement building. With increased space for the proposed gymnasium, the programing of therapeutic exercise will be greatly enhanced.

## Patient Care

In the treatment of patients, therapeutic exercise and ambulation activities continued to receive major emphasis as shown in the following list of treatments. Service to the Columbia University Athletic Association continued; this was particularly active during the Fall season of the Columbia Varsity Football team when many injured athletes were treated.

### Treatments

Therapeutic Exercise .....	13,442
Gait Training .....	3,651
Massage .....	9,320
Cervical Traction .....	1,414
Steam Pack .....	3,554
Paraffin Bath .....	485
Ultrasound .....	1,677
Shortwave Diathermy .....	2,701
Histamine Iontophoresis .....	175
Faradic .....	601
Motor Point Stimulation .....	342
Radiant Heat .....	1,861
Ultraviolet .....	72
Moistaire Cabinet .....	222
Whirlpool .....	2,250
Medcolator .....	126
Microwave .....	273
Bandaging .....	4
Tilt Table .....	3
Muscle Test .....	1
Cold Pack .....	28
Jobst .....	94
Electromyography .....	54
Chronaxie .....	37
Nerve Conduction Time .....	9
<b>TOTAL TREATMENTS .....</b>	<b>42,396</b>

The number of patients who visited the Department are listed as follows:

### Visits

<u>In-Patients</u>	<u>New</u>	<u>Revisits</u>	<u>Total</u>
Private .....	162	1,761	1,923
Semi-Private .....	267	2,753	3,020
Ward .....	202	2,561	2,763
	<u>631</u>	<u>7,075</u>	<u>7,706</u>
<u>Out-Patients</u>			
Referred .....	120	1,470	1,590
Compensation .....	45	797	842
Columbia A. A. ....	44	245	289
Columbia Health .....	26	110	136
Courtesies .....	30	366	396
O.P.D. ....	302	5,502	5,804
	<u>567</u>	<u>8,490</u>	<u>9,057</u>

### Education

Dr. Antonio Cocchiarella now serves as assistant attending physiatrist on a part-time basis. Dr. Robert A. de Napoli continued to service the Electrodiagnostic Clinic.

Regular weekly conferences were conducted for the therapists including lectures by Dr. Yue and Dr. Cocchiarella. Dr. Willard S. Kahn gave a series of lectures on psychiatry as related to rehabilitation. Dr. Charles F. Schetlin lectured on athletic injuries.

Instruction to student nurses in crutch-walking and ambulation was continued, as was the assignment of therapists to the orthopedic wards and for the treatment of patients from the Emphysema Clinic.

### Staff Activities

Dr. Yue attended the annual meeting of the American Academy of Cerebral Palsy in Cleveland in December. Dr. Cocchiarella attended the First Mediterranean Symposium on Cerebral Palsy in Rome in September. Dr. de Napoli, in collaboration with Drs. Nansen Liu, Melvin M. Grumbach, and Akira Morishima, published a paper in the *Journal of Clinical Endocrinology and Metabolism*, Vol. XXV, No. 10, October, 1965, entitled Prevalence of Electroencephalographic Abnormalities in Idiopathic Precocious Puberty and Premature Pubarche: Bearing on Pathogenesis and Neuroendocrine Regulation of Puberty.

A new staff physical therapist joined the Department, Miss Gee-Neo Tan, a graduate of the Columbia University School of Physical Therapy.

The Department is grateful for the continued help of the volunteers in transporting patients to and from the department, particularly those in regular attendance, Mrs. Dahlquist, Mr. De Castro, Miss Lomino, and Mr. Twyeffort.





# Psychiatry

John M. Cotton, M.D., *Director*

1965 has been a very busy year in the Psychiatric Service and has seen increasing expansion of in-patient, out-patient, child psychiatry and community psychiatry services. The residency training program has been under constant review and the quality of the training is believed to be of an exceptionally high level. Real problems have become apparent in the question of space especially in the out-patient clinics for adults and children and we hope for some relief with the building program of the Hospital if we are to adequately serve our community with the necessary services.

We are particularly happy about the increasing activities and acceptance of the Community Psychiatry Division and the imaginative intervention in crisis situations that might have led to a higher incidence of emotional difficulty in our community.

*In-Patient Service* There were 499 admissions to the In-Patient Service during the year 1965. Of these 201 were service patients and 298 were private. Of the 507 patients discharged during the year a total of 479 were returned home, 18 were transferred to other Services within the Hospital, and 10 were sent to other psychiatric facilities.

Because of the Hospital construction program and the pressing needs for space associated with this, the Occupational Therapy section had to be moved out of its new quarters on Muhlenberg 3. One of the three-bed patient rooms on Clark 8 has been set aside for use as an Occupational Therapy room as a temporary measure and until more adequate quarters can be found. In addition, with the con-



tinued expansion of our residency training program more space is urgently needed for conference and teaching sessions.

*Training and Research* The training program continued to expand during 1965. As of July 1965, 61 applications were reviewed and five individuals were accepted for residency and fellowship training. Four of the five were at the first year level in adult psychiatry, and the fifth was for first year training in child psychiatry. There are 13 residents in training in psychiatry for the year July 1, 1965 through June 30, 1966, of whom three are in child psychiatry.

During the year 1965 the Wednesday afternoon Psychiatric Staff Meetings were well attended. A wide variety of subjects was presented and the speakers included men from all parts of this country and abroad. There were two Visiting Professors of Psychiatry: Dr. Norman Q. Brill, Chairman and Professor of the Department of Psychiatry at U.C.L.A. Medical Center, who was with us in May, and Dr. Louis J. West, Chairman and Professor of Psychiatry at the University of Oklahoma Medical School, who was here in December.

In the research area, the Secondary School Research Program, with its study of one public and six private schools in Riverdale, has continued. Nine of our staff psychiatrists are engaged in this project which has Dr. Dana Farnsworth, Geoffrey Professor of Hygiene at Harvard University, Cambridge, Massachusetts as its Psychiatric Consultant and Dr. Fred Browne, Chief Clinical Psychologist, Mt. Sinai Hospital as Consultant in Psychology. Dr. Emily Mumford, Departmental Sociologist at St. Luke's Hospital Center has been active in this program.

The follow-up studies on patients admitted to the Department of Psychiatry during the year 1957-1958 were reviewed by Drs. Arnold Bucove and Lawrence Levitt. This study gave us an index as to the nature of the problems involved in such a review. There can be no question about the need for a thorough review and therefore a much larger study involving at least a thousand former patients is contemplated. Such a study is being planned by Dr. Melvin Udel.

*Adult Psychiatric Clinic* The problems confronting the Psychiatric Clinic have grown more acute in the past year. Demands for services which had increased dramatically over the past 5 years seem to have leveled off in the past year. However, the working staff of the clinic in terms of those actually seeing patients has been considerably reduced because of the assignment of members of the clinic staff to various teaching activities.

Partly as a result of this reduction in available staff and partly because of the increasingly heavy demand for services from sources within the hospital itself our intake to the community at large has been closed continuously throughout the past year. Patients who are referred to us by community agencies or who are self-referred are routinely being referred to Metropolitan Hospital, Morningside Clinic or occasionally to other clinics in the city. We have continued to see, usually for evaluation only, those patients referred from outside sources or self-referred who have had some recent previous contact with this hospital.

The bulk of the new patients actually admitted to the clinic over the past year has come from the following sources: Emergency Room, Clark 8, other clinics in the Hospital Center, and the Columbia University Student Health Center. This last source has continued to be important from the standpoint of providing patients who are good candidates for psychotherapy for our residents to see under supervision.

At the present time, therefore, because of limitations of both space and personnel the clinic is now confining itself to meeting, insofar as it is able, the increasing demands that are being placed upon it from within the hospital itself and for the most part is not at present able to act as a community clinic for extra-hospital agencies, institutions, or individuals.

Dr. Henriette Klein joined the clinic supervisory staff and is supervising two residents in psychotherapy. In the deaths of Dr. Robert Cussler and Dr. William Geohegan the clinic lost two of its oldest members in terms of service and two of its most faithful.

During the year 1965, 304 new patients were admitted to the clinic for treatment. At the end of the year 285 patients were being actively seen in psychotherapy, 32 in group therapy, and 122 in social service case work. There was a total of 7,746 patient interviews during the year.

*Child Psychiatry* This past year saw a continuing trend of increasing activity in the Division of Child Psychiatry. The following table illustrates several areas in which expansion and increased services occurred.

	<u>1964</u>	<u>1965</u>
No. of patients referred for service .....	268	346
Total number of visits .....	2,009	3,324
No. seen in therapy .....	55	102
Residents in training (full time) .....	2	3
Attending staff .....	4	6

Among new services established were: (1) A group therapy program for adolescent boys to complement the group therapy program for adolescent girls. (2) A therapeutic day nursery program for severely disturbed pre-school children in collaboration with the Department of Special Education of Columbia University Teacher's College, and the Riverside Church Nursery School. (3) A liaison service with the Department of Pediatrics, providing an orientation in child psychiatry and consultation to the Pediatric House Staff on the in-patient service.

Additions to the attending staff included Dr. John Atchley, formerly Director of the Housatonic Psychiatric Clinic in Lakeville, Connecticut, and Dr. Clarice Kestenbaum who received her training in Child Psychiatry at the Columbia Presbyterian Medical Center. Also during 1965 Dr. Jerry Wiener became full-time Director of Child Psychiatry and was appointed an examiner for the sub-specialty boards in Child Psychiatry.

Child Psychiatry at St. Luke's Hospital Center has continued each year to provide increasing clinical services and an expanding training program for fellows in Child Psychiatry, as well as residents in general psychiatry, student social workers, and Pediatric house staff. As is

true everywhere, the demand for services continues to exceed the availability of both personnel and space, creating a constant challenge to find new ways of utilizing existing resources as well as the development of new programs.

*Community Psychiatry* The Division of Community Psychiatry was established in July 1962 for the purpose of offering preventative psychiatric services to the community served by the Hospital. The Division is sponsored and financed jointly by St. Luke's Hospital Center and the New York City Community Mental Health Board. Dr. George O. Papanek is director of a staff of 4 psychiatrists, 3 psychiatric social workers, and 1 sociologist who function primarily to support and augment the work of other community agencies by helping to identify and resolve mental health problems.

The Division provides administrative or case consultation to a variety of community agencies. Within St. Luke's Hospital Center the Division works cooperatively with the following departments: Consultation is given to Public Health Nurses on the Congestive Heart Failure Study of Dr. Paul Torrens' Community Health Studies Unit. Psychological screening of all applicants in the School of Nursing by means of the M.M.P.I. is followed by recommendation for psychiatric consultation where indicated. Lectures given to teachers by child psychiatry fellows are coordinated by the Division. First year Residents in Psychiatry rotate through Community Psychiatry for two months. Third year residents spend six months part-time with the unit.

The following are examples of community activities: In the School System weekly seminars are held with teachers in a course designed to develop constructive attitudes toward children with mental health problems. Consultation with Junior Guidance teachers delineates general psychiatric principles that can be utilized by the teacher in everyday classroom work and long range planning for different approaches to disturbed elementary school age children. Consultations were given weekly to a day care center and a nursery school. A recreation center run by tenants in a Single Room Occupancy Building and a rehabilitation program were supervised by the Com-

munity Psychiatry Division. Police consultations consisted of weekly participation by a staff psychiatrist in the in-service training in a local precinct. A resource booklet was prepared specifically for use by police officers. A program for VISTA Trainees (Domestic Peace Corps) in collaboration with the Columbia University School of Social Work provided training and experience while working on projects under the direction of the Division of Community Psychiatry. The Division supervises one student from the Columbia University School of Social Work.

During the last year the Division has worked with 9 nursery and public schools, 7 housing bureaus, 7 community or tenants groups, 2 welfare centers, 4 churches, 1 nursing home, 4 recreation centers, 2 police precincts, 2 colleges, 1 health center, and 3 hospitals, totaling 42 agencies and institutions. There were 342 consultations, 54 community planning sessions, 394 interviews, and 19 lectures, totaling 809 sessions given by the Community Psychiatry staff.

*Columbia University Student Mental Health Clinic* During the past year this unit has pursued its basic task of furnishing consultation, evaluation and treatment services to students, members of faculty and administration and employees of the University. The sharp rise of patient volume noted in recent years has continued with the result that the number of individuals seen in 1965 was almost three times that recorded for 1962, while the total number of patient visits has increased by 44%:

	1962	1963	1964	1965
Patients .....	345	647	806	963
Total Visits .....	1,427	1,554	1,748	2,053

The clinic has been active in the training and supervision of third year residents and has participated regularly in the staff conference program. Efforts directed at achieving a more active involvement in University affairs have resulted in the establishment of regular meetings with faculty and administration and with various counseling and student groups. A research project focusing on undergraduate adaptation during a four-year college course was initiated last Sep-

tember when psychological testing was administered to the entire freshman class of Columbia College.

We have been fortunate this year in having the continued services of Dr. Robert Michels of the Presbyterian Hospital who joined us as a research associate in late 1964.







# Radiology

Nathaniel Finby, M.D., Director

## Diagnostic Radiology

Richard D. Kittredge, M.D., Associate Director

**I**n the year 1965, the general work of the Radiology Department has increased more than usual because of the active participation of the New Woman's Hospital in the Hospital Center. Special Radiographic Procedures, especially in the vascular field, have also been utilized more fully with recognition of their great diagnostic value. Not only have they increased in number, variety and acceptance, but they have required space, time, and professional staff which is now becoming insufficient to satisfy all requests. The problem of expansion to meet the ever growing need seems always with us.

The heavy work load forces the X-ray Department to constantly reevaluate equipment. During this past year we have replaced several radiographic units and plan to renovate the darkroom area on Clark III. Limited cineradiographic and special procedure facilities are presently on Clark III, but must be expanded to relieve the already overtaxed Scrymser VIII area. Therefore, plans have been formulated to allow Clark III to take a greater role in special procedure work in the future.

The Emergency Room and emergency work throughout the Hospital Center has placed an increasing load in the so-called "off-hours"

of our Department. The realization that nights, weekends and holidays can, on occasion, be busier than the routine day has prompted us to actively attempt to broaden our personnel coverage during these times to include professional staff, nursing care, aides, file room coverage, reception area coverage, and additional technical facilities. The concept of 7 day, 24 hour complete coverage throughout the Hospital Center must be seriously considered as the most efficient and sensible method of patient care.

On Scrymser VIII, television monitoring as an adjunct to all the special procedure work has been a marked improvement in terms of efficiency of performance and safety for the patient since instantaneous visualization and confirmation of diagnostic data are markedly facilitated. In addition, the teaching possibilities of the television screen have been fully utilized.

#### **Education and Research**

Once again, in 1965, we have had an excellent group of residents, including a post graduate "special procedure" Fellow in Radiology. As in previous years, the Combined Residency Training Program sponsored by the Directors of Radiology at Memorial, Roosevelt, St. Vincent's, Mt. Sinai and St. Luke's Hospitals has been very successful. Dr. Finby, Director of Radiology at St. Luke's Hospital, was in charge on the 1964-1965 combined program. The residents of all these institutions have uniformly profited by the broad range of teaching material and personnel due to the pooling of the facilities of the five radiology departments.

The special procedures in the Radiology Department, which appear to continually increase in scope and amount, are a constant source of teaching material. Patient problems, which seem routine at first, can yield extremely interesting and unusual results with proper and complete radiologic study. Thus, the routine work of the Department, including special radiologic procedures, is a constant source of intellectual stimulation and clinical reward for all patients and physicians throughout the hospital.

Many meetings were attended during this past year. All Radiologists, including the Special Procedure Fellow, and Senior Residents have participated in national meetings or courses across the nation. Perhaps one of the more interesting meetings this past year was the International Congress of Radiology which is held every 3 to 4 years in a different area of the world. In 1965, the meeting was in Rome. St. Luke's Hospital Center was well represented at this meeting and a paper entitled "The Value of Nephrotomography in the Differential Diagnosis of Abdominal Tumor Masses" was read.

In the immediate future, we hope to expand our Special Procedure areas, particularly with the completion of the Vanderbilt Replacement Building. We will continue our research interest in new radiographic contrast media. Special studies relating to radiography of the biliary tract, urinary tract, endocrine disease and the cardiovascular system are in progress.

## Radiation Therapy

Leonard M. Liegner, M.D., Chief

The activity of the Radiation Therapy Section also increased in 1965, chiefly as a reflection of the proximity of the new Woman's Hospital. The rising utilization by Woman's Hospital staff of the Radiation Therapy Department and the ground work of excellent relationships established between Radiation Therapy and the Gynecological Service from 1958 to the present has reaped benefits to both services, with consequent improved patient care.

In addition to clinical services rendered, Radiation Therapy and Woman's Hospital have cooperated in a wide range of research projects which include studies on urological complications following radium therapy for cancer of the cervix, uterine cancer treated with pre-operative radium therapy, and in-vivo dose measurements during radium treatment of cervix cancer by placement of miniature dosimeters in critical locations in the pelvis at the time of extra-peritoneal node exploration. In addition, Radiation Therapy and

Woman's Hospital are participating in a national study to evaluate the value of pre- and post-operative radiation in the treatment of uterine cancer. Doctors Tovell, Renning, and Liegner have cooperatively devised a code and McBee card to facilitate a retrospective study of the results of treatment of the cervix cancer.

The mainstay of the close liaison between Radiation Therapy and Woman's Hospital has been the participation of the Radiation Therapist as a member of the tumor group at Woman's Hospital. This group evaluates all service gynecological cancers before treatment, and in so doing assures a rational therapeutic approach. The effectiveness of these treatment decisions is then followed by the Attending Gynecologists and Radiation Therapist in the Woman's Hospital Tumor Clinic. This represents the most important phase in the care of these cancer patients.

Radiation Therapy in addition to its expected function as a treatment modality actively engages in consultative decisions with all services and is requested to guide in the treatment planning irrespective of whether or not radiation therapy is the actual modality of choice at the time. The radiation therapist has therefore also performed the function of consulting oncologist.

A scientific exhibit presented by the section of Radiation Therapy and the Department of Medicine on the value of Liver Isotopic Scanning was well received by the Radiological Society of North America at its annual meeting. A paper on pre-operative Radium treatment of uterine cancer was presented at the International Congress of Radiology in Rome, July 1965.

A basic requirement of good radiotherapeutic care is a good staff. The Department has been fortunate in having an interested and superior resident staff in the past year which has enhanced patient care. The nursing and technical staff remain at a high level of efficiency and competency, demonstrating humaneness and kindness towards patients which has made their visits to the Department tolerable and even pleasant.

We wish to express our sorrow at the death of our friend, Mr. "Bill" Twyeffort. Despite the physical load, he got the patients to us

and was our most influential good will emissary throughout the hospital center. He is sadly missed.

#### Statistics 1965—Diagnostic Radiology

	<u>Patients</u>	<u>Exams</u>	<u>Films</u>	<u>Cine 35 mm</u>	<u>Cine 16 mm</u>
<i>In Patients:</i>					
PRI .....	4,169	5,078	16,840	870 ft.	620 ft.
SP .....	6,431	7,683	26,062	150 ft.	1,042 ft.
WARD .....	13,037	15,018	55,121	2,330 ft.	3,128 ft.
COL INF .....	246	260	715		
<i>Out Patients:</i>					
PRI .....	2,729	3,226	11,529	145 ft.	1,200 ft.
OPD .....	11,237	12,455	33,815		265 ft.
COMP .....	541	618	1,268		
ER .....	10,583	12,427	25,804		
CHS .....	2,006	2,119	4,105		
HS .....	1,812	1,891	2,934		
NURS, INF .....	456	463	577		
<i>CLK 8</i>					
PRI .....	260	335	651		
WARD .....	221	262	486		
TOTALS .....	53,728	61,835	179,907	4,495 ft.	6,255 ft.

#### Statistics for the year 1965—Radiation Therapy

Total New Patients .....	650
Consultations .....	221
Total Treatments (Co <sup>60</sup> and X-Ray) .....	7937
Total revisits .....	7621
Total Isotope Treatments .....	216
Total Radium .....	46
Total Follow Up .....	1244





# Surgery

Harold A. Zintel, M.D., Director

The year 1965 was one of growth almost unparalleled in the history of the Hospital Center. For the Surgical Service itself, 1965 was likewise a year of great progress. A number of highlights are worthy of full consideration at this time.

The most outstanding in the accomplishments of the service has been the rejuvenation of cardiothoracic surgery at St. Luke's Hospital Center. In March, Dr. Colin McCord joined the surgical staff of St. Luke's Hospital Center as a cardiac surgeon. Previously associated with Dr. Albert Starr and as the previous head of the Veteran's Administration Thoracic Service in Portland, Oregon, Dr. McCord is an outstanding cardiac surgeon whom we are most fortunate to have on the staff of St. Luke's Hospital Center. In cooperation with Dr. Hugh Fitzpatrick, a commendable record has already been achieved in open heart surgery.

Of equal importance has been the opening of the new Woman's Hospital. This marked the end of a long standing and traditional arrangement whereby half the gynecology of this center was performed on the general surgical wards. In order that our surgical house staff remain trained in gynecological surgery, arrangements are being made for the rotation of a senior assistant resident through the Department of Gynecology. It is felt by members of the surgical and gynecological staffs that the new arrangement will afford better continuity of care for patients with women's diseases and will improve the teaching and training of gynecology among the members of the house staff.

A third change of considerable importance has been the assignment of all fracture cases to Orthopedic Surgery. Again, a Senior assistant resident in Surgery is rotated through Orthopedic Surgery for fracture experience. Although this arrangement was on a trial



basis, it is already apparent that the training in the management of fractures has been markedly improved, and consequently the patients themselves receive better care. By having all the fractures concentrated in one area of the hospital, an outstanding fracture service is in the making.

A final point which has improved the availability of teaching material has been the organization of the Stuyvesant Surgical Group. The establishment of the Stuyvesant Surgical Group is a new and original approach to the gradual loss of ward-service teaching patients, whereby the surgeon-in-training works in a private office part time and admits some of his own private patients to the hospital for operation. As certain insurance benefits became more universal, it has become quite apparent that we are dealing with a shrinking ward population. This problem will be further compounded by Medicare. In order to preserve the availability of teaching material, the semi-private teaching service—the Stuyvesant Surgical Group—was inaugurated on July 1, 1965. All patients from the clinics or Emergency Room who require admission to a surgical service and who have adequate insurance coverage, are now admitted to the hospital under the care of a member of the Stuyvesant Surgical Group. They are cared for by Acting Assistant Attending Surgeons, who were in the previous year First Assistant Surgical residents. These acting assistant attending surgeons are in their 4th year of general surgical training after the internship years.

They are responsible for the ward-service-teaching patients but in addition they do have some private patients of their own.

We have received confirmation that the Surgical Service will retain its accreditation of the general surgical training program and that our men will be eligible for the American Board of Surgery Examinations after completion of the internship, three years of residency and one year as acting assistant attending surgeon of the Medical Staff of the Hospital Center. After six months of operation, the success of this arrangement is quite evident and plans are under way to expand the program with the growth of Medicare if this seems advisable.

In spite of these four major changes in one year the transition was smoothly accomplished and the overall operation of the service remained on an even keel. It is felt by the members of the attending staff that much was accomplished during the year to improve patient care, teaching and research on the Surgical Service at St. Luke's Hospital Center. The loss of fracture cases and women's surgery from the surgical wards did not appreciably influence the ward occupancy rate which remained high in 1965. The few remaining ward beds have usually been filled by patients from the rejuvenated cardio-thoracic program. Although the cardiac patients have all been assigned to the B Service, an increased number of thoracic procedures have been performed on both of the services. There were 135 thoracic procedures in 1965 in comparison to only 80 in 1964. The care of these patients is primarily the responsibility of the house staff assigned to the particular ward service, but special care has been rendered by Dr. McCord and by an assistant resident on rotation assigned to the surgical research area.

In 1965 Dr. Robert Edmunds was elected to membership in the New York Surgical Society; Dr. Graham Knox was reelected Treasurer of that organization. Dr. Colin McCord was elected to the New York Thoracic Society and to the New York Vascular Society. Dr. Harold Zintel was elected Vice-President of the New York Cancer Society; became a member of the Conference Committee on Graduate Education in Surgery and became the first member of St. Luke's Hospital Center to have a Seat in the Physicians and Surgeons Faculty—and to have faculty voting rights. The latter became possible when the General Surgical Service was designated as a coordinated service under the recently revised affiliation with Columbia University's College of Physicians and Surgeons.

We are indebted to the services of Mrs. Edith Rader who was appointed Secretary to the Surgical Service on January 20th, 1965. Under her guidance and with her assistance the many secretarial and administrative duties of the Surgical Service have been faithfully and expeditiously performed.

Once again the Surgical Service held a cocktail party for all inter-

ested alumni at the American College of Surgeons Annual Clinical Congress held in Atlantic City on Wednesday, October 20th. The Surgical Service also entertained the members of the Attending and House Staff at a dinner held at Toots Shor's Restaurant on Thursday, June 10th. These informal get-togethers have always represented a social highlight of the year.

### **Residency Training Program**

Drs. Joshua Kaplan and Thomas Muldoon were welcomed back from the Armed Services as first year assistant residents. Dr. Peter Salomon, a graduate of Columbia University's College of Physicians and Surgeons joined the house staff as a third assistant resident.

On July 1, 1965 Dr. Jesse Blumenthal, Dr. Frederic Schuh and Dr. Charles Rucker completed their surgical residencies at St. Luke's Hospital Center. All three of these individuals have entered the Armed Services for a two-year tour of duty. Capt. Blumenthal is in Vietnam, Capt. Schuh is in the Army stationed in Atlanta, Georgia and Capt. Rucker is in the Army stationed in Iran.

Dr. Thomas Sumners was appointed July 1, 1965 as acting assistant attending surgeon of the Medical Staff for the duration of his training in Plastic Surgery. Drs. Edward Howard, John Hughes and Randolph Guthrie also were appointed acting assistant attending surgeons of the Medical Staff on July 1, 1965. Their responsibilities are to care for the ward service surgical cases and patients of the Stuyvesant Surgical Group under the tutelage of the more senior attending staff and to assist with the management of the remaining semi-private and private patients.

The number of house staff members assigned to each service was essentially unchanged. Five surgical house officers and a medical intern were on the A Service, whereas the B Service had six house officers. Attending coverage for the two services was unchanged from the previous year. Dr. John West has remained as senior consultant for the A Surgical Service. Drs. W. Graham Knox and Charles Schetlin both served as responsible attending surgeons to that

service. Dr. Edward Stanley-Brown has continued to ably supervise the care of the pediatric surgical cases, all of whom are assigned to the A Surgical Service. Drs. Charles Blair, Robert Edmunds and Robert Miller also give much valuable time and assistance to the smooth functioning of the A Surgical Service. The B Surgical Service has continued to enjoy the counseling of Drs. Hugh Fitzpatrick and Robert Fraser as responsible attendings. Drs. Peter Bossart, Robert McCabe and Howard Nay have continued to assist in patient care and to assist with the teaching responsibilities on the B Surgical Service. Of particular note has been the additional training and experience gained from the care of the cardiac patient. This has been most worthwhile because the house staff have become experienced with new equipment and new methods of patient care.

The assignment of a first year assistant resident on a six-week rotation as Chest Resident has proved to be a very valuable experience, especially in learning pre and postoperative care. The Chest Resident during his six-week rotation has become familiar with the most modern and intricate instruments required in the postoperative care of patients, as well as with the use of the heart-lung machine. He has gained a wealth of knowledge and understanding of cardiopulmonary physiology, gas analysis, acid base balance, etc.

Of equal importance to the house staff has been the added experience in the operative care of the fractures. By having all fractures in one area of the hospital, more material is available for concentrated study in the treatment and operative management of fractures. For the first time in a number of years members of the surgical house staff are gaining experience in nailing hips as well as other specialized aspects of fracture care. In cooperation with the Orthopedic Service a special effort has been made to improve the care of all fracture patients and to improve the teaching of both the orthopedic and general surgical house staffs in the management of broken bones.

Once again specialty rotations were of necessity curtailed because of a shortage of house officers. This is now becoming a chronic recurrent problem, but relief is in sight for 1966. The gynecology

rotation was impossible during the second half of 1965. No significant loss of gynecological training resulted because the majority of the house staff had previously had gynecological experience while gynecological patients were still assigned to the general surgical wards. In the future, however, this rotation through the gynecological service will become an integral part of the training program.

### **Surgical Research Laboratories**

The facilities of the surgical research laboratories were enjoyed by a large number of the staff. During the year a total of 410 (174 major and 236 minor) operative procedures were performed. Although this represents a decrease of 38 percent over the previous year, this is largely due to the fact that the operative areas were closed for over two months during the year 1965 while the facilities were modernized and expanded. This was necessary in order to adequately accommodate the increasing research operative work load. Instead of the one operating room with two tables, we now have two operating rooms with four tables. In addition, a small animal room was converted to an animal x-ray room and a new, modern, complete x-ray unit installed in that area. With this piece of equipment, the quality of animal x-rays has been improved. These additions were long overdue. With so many projects going on in the laboratories, animal storage facilities are proving inadequate and it is hoped in the future these too might be adequately expanded.

The following are outlines of some of the specific projects under way during the year 1965:

1. *Surgical Bacteriology* A comparative evaluation of surgeon's skin germicides and for preparation of the skin of the patient, was concluded in 1965. This cooperative effort of the general surgical service and the Department of Microbiology included work by Harold Zintel, M.D., Graham Knox, M.D., Hugh Frick, M.S., and Phyllis Bass, M.S. Three germicides; Phisohex, Betadine and an experimental halogenated salicylanilide were tested. The study con-

stituted the most comprehensive selection of subject material, bacteriological analyses and comparison of sampling methods yet accomplished by any pharmaceutical company or hospital.

2. *Fibrinolysin Studies* Drs. Howard Nay and Hugh Fitzpatrick have continued to study the effect of local fibrinolysin perfusion on blood clot lysis. Particular attention has been directed towards the fate of blood clots so treated, in vein and prosthetic grafts. After insertion of the graft, clots are created and dissolution with fibrinolysin attempted.

3. *Experimental Study of the Formation and Treatment of Esophageal Strictures Secondary to Lye Burns* The subject of corrosive esophageal burns and their proper treatment remains an enigma. The treatment is empiric. Drs. Graham Knox, Robert McCabe, John Scott and Harold Zintel have been studying this problem intensively during the past several years. To date, their efforts represent the largest and most statistically valid study on this subject. They are evaluating the efficacy of steroids as opposed to bouginage, and each alone as compared to a combination of both, on the formation of esophageal stricture after lye burn.

Using dogs, segments of esophagus are temporarily isolated by ties and exposed to lye introduced through a Levine tube. Post-operatively, the burned dogs are divided into different groups employing one or both of the aforementioned modalities of the therapy.

Final results await completion of experimental work and it is hoped that further light will be shed on this difficult clinical problem.

4. *Transplantation* Drs. Robert McCabe, Randolph Guthrie, and Gabriel Rizzi completed their investigation of methods of preserving and storing organs for transplantation. They found that Trasylol, a new proteolytic enzyme inhibitor was ineffective and did not enhance cell survival during prolonged anoxia even under hypothermia.

Basic research in the field of transplantation has been pursued by Dr. Richard Stark and Mrs. Marjorie DeForest Haight. By employing millipore filters, they continued their investigative work on the role



of the lymph node in the homograft reaction. As a result of their experiments they believe enhancement of a homograft can be achieved by surgical as well as chemical lymphadenectomy. Enhancing factor in erythrocyte hemolysate does not increase enhancement achieved by lymph node isolation. Lymph nodes of the host must be viable and vascularized to destroy first and second set homografts with the violence characteristically accorded foreign tissue. Second set homografts, although destroyed with a rapidity that suggest humoral immunity, appear to be rejected by antibodies that are cell-bound.

Drs. Robert McCabe and Harold Zintel terminated their experiments with chemical suppression of the immune response. They came to the conclusion that the homograft reaction could be adequately suppressed, but that the incidence of infection was still inordinately high.

5. *Cancer Chemotherapy* The Cancer Chemotherapy Evaluation Program of C.D.E.P. was unchanged from 1964 except for the addition of a Surgical Breast Adjuvant Program. The Surgical Breast Adjuvant Program is a double blind study for this institution using 5FU post-operatively. In the C.D.E.P. program a total of 7 agents: 5FU, Mitomycin-C, Chlorambucil, Hydroxyurea, 6MP, Actinomycin-D, Methyl (Gag), have been and are being tested since August 1961.

6. *Renovascular Hypertension* Drs. Robert Boothe, Robert McCabe and Harold Zintel continued their investigation of the effect of portacaval transposition on renovascular hypertension. A sustained hypertension was produced in a number of dogs by constriction of the renal artery or by injection of iron carbonyl particles into the renal artery. They found that portacaval transposition relieved this hypertension. They furthermore found that an angiotensin infusion gave a lower response in the hindpaw than in the forepaw in a dog subjected to a portacaval transposition. As a result of their work, evidence indicates that there is a substance in intestinal blood which inhibits the inactivation of angiotensin by the liver. Present work is designed to further delineate the nature of this material. The



hemodynamics of hypertension are also being investigated with a square wave electromagnetic flow meter, pressure gradients and pulp pressures.

7. *Open Heart Surgery* An active program in cardiac surgical research has been an integral part of the clinical program. Details regarding projects underway are included as outlined in the section on cardiac surgery. Specific projects include: (1) The fate of aortic valve homografts and heterografts in dogs; (2) Investigations into the problem of clotting on artificial materials in the blood stream; (3) Changes in potassium balance and total body potassium during and after valve replacement operations.

We are indebted to the secretarial assistance of Mrs. Irma Dobbs, Miss Sharon Walworth and Miss Marge Gillick. Miss Renate Lerch, secretary and bookkeeper of the Surgical Research Laboratory resigned on June 18, 1965 to return to her home in Stuttgart, Germany. Mrs. Gloria Strauss, secretary to the cancer chemotherapy program resigned October 29, 1965 to care for her new and expanding family. The continued cooperation and technical assistance of Mr. Wilbur Herring, Mr. Edward Carney and Mr. Tony Silvester is gratefully appreciated.

As a manager for the Surgical Research Area and in order to promote full use of the facilities, supervise the secretarial staff, and to manage the bookkeeping, Mr. Angelo Di Geronimo was appointed Administrative Assistant on December 6, 1965.

#### Cardiac Surgery

On March 1st, 1965 Dr. Colin McCord joined the staff of St. Luke's Hospital as an Associate Attending Surgeon in charge of Cardiac Surgery. In association with Dr. Hugh Fitzpatrick, Dr. Howard Nay, and Dr. Robert Miller and using equipment recently acquired, the new program in cardiac surgery began with three months of experiments in the dog laboratory during which time the equipment was tested and the routines to be used by the team in clinical cases were established. Mr. Wilbur Herring continued as the Chief

Technician for open heart procedures, and a new technician Miss Ann Close joined the cardiac surgical team. Operations on patients were begun on June 1st at a rate of one procedure per week. In August this was stepped up to two operations per week and the program has continued at approximately this pace since then, with occasional pauses for vacations and important meetings and occasional weeks of more than two cardiac operations. Thirty-five operations were performed in 1965, and there were no hospital fatalities. Twenty-one of these thirty-five patients had valve replacement procedures.

A program of research into problems in the field of cardio-vascular surgery has also continued, with interest in two major fields. The first is the problem of clot formation on foreign surfaces in the heart and in the vascular system in general. Five years of experience with valve replacement has shown this to be the only major problem in the long-term follow-up of these patients. The metal and cloth of the artificial valve often promotes blood clot formation on the artificial valve. Fortunately, clot formation and embolization has been relatively rare, but it can cause serious symptoms. Dr. McCord and Dr. Fitzpatrick have been interested in tests of platelet adhesiveness to try to detect patients who might be more prone to clot formation than others and also, in collaboration with Dr. Edward F. Leonard, Chairman of the Committee on Bioengineering of the School of Engineering of Columbia University, in the development of synthetic materials which are resistant to clot formation. Dr. Leonard Friedman, a graduate student in engineering spent part time last year and next year will be full time in our surgical research laboratories, working on this problem. The other major field of interest is a study of the metabolic changes in heart muscle associated with operations in patients with long-standing chronic heart disease. These studies have been carried out in collaboration with Dr. Robert Case and Dr. Richard Crampton of the laboratory of Experimental Cardiology, at St. Luke's Hospital Center. Very significant shifts of potassium out of the heart muscle during and after these operations, have been demonstrated.

It is hoped that means can be found to prevent or reduce this potassium loss and that this will improve myocardial performance in the postoperative period.

Mr. Wilbur Herring, Extracorporeal Technician, with the cooperation of Drs. Hugh Fitzpatrick and Colin McCord, was host to the Northeastern Section of the American Society of Extracorporeal Technicians. Some fifty technicians from the local area assembled at St. Luke's Hospital Center on October 16, 1965 for a series of meetings and discussions regarding mutual problems in the maintenance and application of the heart-lung bypass equipment.

#### **Medical Student Teaching Program**

As part of our coordinated affiliation with Columbia University College of Physicians and Surgeons, 23 of the fourth-year medical students came to St. Luke's Hospital Center for two-month periods as surgical externs. The program was under the direction of Dr. Robert Edmunds. They lived in the hospital and participated in all the activities on the wards and in the operating rooms. Under close supervision, their duties were similar to those of the interns. In addition they attended a series of some forty lectures on various aspects of surgery. They were kept informal in nature so as to encourage active participation.

#### **Operating Rooms**

The operating room suite, the focal point of our surgical service, continued to make needed advances in 1965. Close to 8,000 operative procedures were carried out by all services not counting cystoscopy, x-ray procedures, nor Woman's Hospital surgery. New expansion plans for the near future are also underway.

Miss Hilda Pereira ably assumed the duties and responsibilities of Supervisor of the Operating Rooms on July 1, 1965. With her staff of 26 registered nurses the caliber of service has retained peak efficiency. In addition, three exchange graduate students, plus six

well-trained operating room technicians add to the regular operating room personnel.

If all operative procedures of the Hospital Center are continued save for suture of lacerations in the emergency rooms, the hospital center had roughly 18,000 admissions and 14,000 operations in 1965.

In 1965, our open heart operating team got into high gear under the direction of Dr. Colin McCord and Dr. Hugh Fitzpatrick. A smooth operating team of doctors, nurses and technicians was soon established and our results have been most gratifying. New equipment was installed in the observation booth adjacent to the heart operating room thus enabling the almost instantaneous determination of blood pH, blood oxygen saturation, partial pressure of carbon dioxide, and buffer base. Hematocrit and serum hemoglobin are also periodically determined during heart-lung bypass. All these blood analyses are essential to careful monitoring of patients undergoing heart surgery.

With the expansion plans underway for the replacement of the Vanderbilt Building, five new operating rooms will be constructed. These rooms will be larger and equipped with the most modern equipment including additional x-ray installation in some of the rooms. One room will be especially equipped for open heart surgery.

A much needed, modern recovery room will be constructed in the area over the Chapel building where the older Lyle operating rooms now exist. Some of these older operating rooms will be remodeled for special procedures, including sigmoidoscopy, endoscopy, and perhaps minor surgery.

All these advances are essential to keep abreast with new technology and surgical developments.

### **Pediatric Surgery**

Of the 1,261 infants and children admitted to Clark VII during 1965, 406 required surgical care. This number included 274 ward patients and 132 private or semi-private patients. These figures do not include orthopedic, urologic, or ear, nose and throat patients. During 1965, there were 567 total visits to the Pediatric Surgical Clinic.

It is particularly satisfying to record that during 1965 there were no operative deaths. An operative death is defined as one which occurs within 30 days following a surgical operation. This is the first year in which no operative deaths have occurred since the Pediatric Surgical Division was organized.

With the close proximity of Woman's Hospital a much better liaison has been achieved. On several occasions newborn infants with life-threatening congenital malformations have been seen in surgical consultation literally within the first few minutes of life.

In the Operating Room a new pediatric-sized table extension has been obtained and has proven enormously helpful for surgery on infants.

Once again it is a pleasure to thank Dr. Stuart S. Stevenson, Director of Pediatrics, for his continuing help, interest, and encouragement. As always our greatest debt is to our devoted and excellent nursing staff without whose skillful care little or nothing could be accomplished in the field of pediatric surgery. Our most sincere thanks to each and every one.





# Urology

John W. Draper, M.D., Director

The Resident training program in the Urology Service has been extended to include an optional rotation of Obs-Gyn residents for a period of six months. The six months exchange of second year residents from St. Luke's Urology Service and the Cornell-Bellevue Urology Service continues. The option of Surgical residents to rotate through this service is still available.

The Cystoscopy Unit of the Urology Service handles all cystoscopic procedures of the Woman's Hospital.

## Staff Activities

Dr. John W. Draper, Director of the Urology Service, Dr. Piero Niceta, Chief Resident and Dr. Manuel Fernandes, Research Fellow in Urology, attended the American Urological Association Conference in Chicago in May of this year, where Dr. Draper presented a summary of the four years study of experimental carcinogenesis in dogs.

Dr. Russell W. Lavengood, Jr., presented an exhibit on the management of kidney stones for which he received third prize at the American Urological Association Conference.

Dr. Draper prepared a report on the results of our study on the STAT test for a symposium at the New York Academy of Medicine in February, 1966, on Asymptomatic Bacteriuria.

Dr. Manuel Fernandes joined our Urology Research program in July, 1965 and will continue on through 1966. He is continuing the study of experimental carcinogenesis in dogs, perfusion of renal artery in kidney disease in dogs and vaso-vasectomy in dogs.



The study of Trimethoprim, a potentiator of the sulfa drugs is still under investigation, the results of which will be forthcoming shortly. This study is being supported by Hoffmann-LaRoche Pharmaceutical Co.

The Urology Follow-Up Clinic has been established and is making progress.

# The Medical Staff

Including Appointments to the Outpatient Staff and the Clinic Staffs  
as of July 1, 1966

## Medical Service

### Director of Medicine and Attending Physician

Theodore B. Van Itallie, M.D.

### Consulting Physicians

Luis A. Amill, M.D.

(and Consulting Hematologist)

Stanley E. Bradley, M.D.

G. Jarvis Coffin, M.D.

John Staige Davis, Jr., M.D.

Waldo B. Farnum, M.D.

† John R. Graham, M.D.

Albert C. Herring, M.D.

Oswald R. Jones, M.D.

John McDowell McKinney, M.D.

(in Neurology)

James R. Scott, M.D.

W. H. Sebrell, Jr., M.D.

(in Nutrition)

William L. Tucker, M.D.

(in Immunology)

Karl Vogel, M.D.

### Attending Physicians

Charles G. Adsit, Jr., M.D.

Robert S. Beekman, M.D.

A. L. Loomis Bell, Jr., M.D.

Charles K. Bogoshian, M.D.

Edward P. Childs, M.D.

C. Louis Gilbert, M.D.

John H. Keating, Jr., M.D.

Jed H. Irvine, M.D.

William S. Norton II, M.D.

Robert F. Solley, M.D.

Samuel F. Thomas, M.D.

Myron Wright, M.D.

### Associate Attending Physicians

John F. Bertles, M.D.

Robert B. Case, M.D.

George Dermksian, M.D.

James A. Feltman, M.D.

Francis G. Geer, M.D.

† William A. Geohegan, M.D.

(in Neurology)

Maurice F. Goodbody, M.D.

Robert S. Graham, M.D.

(in Neurology)

Sami A. Hashim, M.D.

James G. Hilton, M.D.

Richard P. Keating, Jr., M.D.

E. Eugene Mullen, M.D.

William Joyce Pyles, M.D.

Charles H. Richards, M.D.

(in Neurology)

Fred J. Schilling, M.D.

Miles J. Schwartz, M.D.

Craig N. Smith, M.D.

Frank E. Smith, Jr., M.D.

Aubrey L. Whittemore, Jr., M.D.

† Deceased

### **Assistant Attending Physicians**

William John Athos, M.D.  
C. Redington Barrett, Jr., M.D. (Acting)  
Robert G. Campbell, M.D.  
Gilbert R. Cherrick, M.D.  
Richard S. Crampton, M.D.  
Paul Cushman, M.D.  
Donald P. Dallas, M.D.  
Hugh C. Davidson, Jr., M.D.  
Elisabeth B. Decker, M.D.

(in Neurology)

Robert A. DeNapoli, M.D.

(in Neurology)

Jonas M. Goldstone, M.D.  
Michael H. Grieco, M.D.  
William S. Hopewell, M.D.  
Peter R. Holt, M.D.  
Marjorie Nelson, M.D.  
(to Columbia Infirmary)  
Hector Perrone, M.D.  
Richard N. Pierson, Jr., M.D.  
Francis Xavier Pi-Sunyer, M.D.  
Edward H. Reisner, Jr., M.D.  
Martin A. Rizack, M.D.  
Seiichi Shimomura, M.D.  
Herbert J. Smith, M.D.  
Thomas T. Tamlyn, M.D.  
Paul R. Torrens, M.D.

(in Public Health and Community Medicine)

### **Consulting Cardiologists**

Gertrude H. B. Nicolson, M.D.  
Elvira Ostlund, M.D.

(in Pediatrics)

### **Cardiologist**

E. P. Childs, M.D.

### **Associate Cardiologist**

A. L. Loomis Bell, Jr., M.D.

### **Assistant Cardiologists**

Robert B. Case, M.D.  
Miles J. Schwartz, M.D.

### **Research Associates**

Beatrice Berle, M.D.  
David Chalfin, M.D.  
George J. Christakis, M.D.  
William F. Haynes, M.D.  
Veljko Krstulovic, M.D.  
Rene Pingeon, M.D.  
Kenneth N. Weinstein, M.D.  
Coenraad D. Westermann, M.D.

### **Appointments to the Out-Patient Department Staff**

Antonio Acosta-Velarde, M.D.  
Eric Andreae, M.D.  
Robert C. Atkins, M.D.  
Harry Bartfeld, M.D.  
Herbert R. Blain, M.D.  
John Jay DuBois, M.D.  
Edward Dwyer, M.D.  
Emanuel Goldstein, M.D.  
Horace W. Hurley, M.D.  
Consuelo Ives, M.D.  
Paul Keating, M.D.  
Benjamin Kightlinger, M.D.  
Michael O. Kovaleff, M.D.  
Monroe B. Kunstler, M.D.  
Worth Boyd Lintz, M.D.  
Burton P. McHugh, M.D.  
Mary V. Nelson, M.D.  
Robert B. Roven, M.D.  
Louis F. Scian, M.D.  
Katherine Shishlow, M.D.  
Eugene R. Stanton, M.D.  
John A. Taylor, Jr., M.D.  
Arthur S. Verdesca, M.D.  
Isabella S. Wakeham, M.D.

### **General Medical Clinic**

Myron Wright, M.D. (Chief)

#### **Day Chiefs**

William John Athos, M.D.  
James A. Feltman, M.D.  
Burton P. McHugh, M.D.  
Craig N. Smith, M.D.  
Paul R. Torrens, M.D.

**Allergy Clinic**

Aubrey L. Whittemore, Jr., (Chief)  
 Michael H. Grieco, M.D.  
 Ruth Kessler, M.D.  
 Michael O. Kovaleff, M.D.  
 Irwin J. Polk, M.D.

**Arthritis Clinic**

John Staige Davis, Jr., M.D. (Chief)  
 Herbert R. Blain, M.D.  
 Dumont F. Elmendorf, M.D.  
 Jed H. Irvine, M.D.

**Cardiac Clinic (Adult)**

Donald P. Dallas, M.D. (Chief)  
 Richard S. Crampton, M.D.  
 Hugh C. Davidson, Jr., M.D.  
 George Dermksian, M.D.  
 William S. Hopewell, M.D.  
 Paul Keating, M.D.  
 Veljko Krstulovic, M.D.  
 Robert B. Roven, M.D.  
 Seiichi Shimomura, M.D.

**Chest Clinic (Adult)**

Charles K. Bogoshian, M.D. (Chief)  
 Antonio Acosta-Velarde, M.D.  
 Francis G. Geer, M.D.

**Diabetes Clinic**

William S. Norton II, M.D. (Chief)  
 Maurice F. Goodbody, M.D.  
 Sami A. Hashim, M.D.  
 Benjamin N. Kightlinger, M.D.  
 Mary V. Nelson, M.D.  
 Dr. William Frey, Podiatrist  
 Dr. Milton Meyers, Podiatrist

**Emphysema Clinic**

A. L. Loomis Bell, Jr., M.D. (Chief)  
 Eric Andreae, M.D.  
 Michael H. Grieco, M.D.  
 Burton P. McHugh, M.D.

**Endocrine Clinic**

James G. Hilton, M.D. (Chief)  
 William J. Athos, M.D.  
 Paul Cushman, Jr., M.D.  
 Louis F. Scian, M.D.  
 Coenraad D. Westermann, M.D.

**Gastrointestinal Clinic**

C. Louis Gilbert, M.D. (Chief)  
 Gilbert R. Cherrick, M.D.  
 John Jay Du Bois, M.D.  
 Charles Flood, M.D.  
 (Endoscopy)  
 Peter R. Holt, M.D.  
 Monroe B. Kunstler, M.D.  
 F. Stafford Wearn, M.D.  
 (Surgical Consultant)

**Hematology Clinic**

John F. Bertles, M.D. (Chief)  
 Luis A. Amill, M.D.  
 Jonas M. Goldstone, M.D.  
 Edward H. Reisner, Jr., M.D.  
 Myron Wright, M.D.

**Hypertension Clinic**

Miles J. Schwartz, M.D. (Chief)  
 Richard N. Pierson, Jr., M.D.  
 Coenraad D. Westermann, M.D.

**Neurology Clinic**

Samuel F. Thomas, M.D. (Chief)  
 Robert S. Graham, M.D.  
 Charles H. Richards, M.D.

**Peripheral Vascular Clinic**

Fred J. Schilling, M.D. (Co-Chief)  
 W. Graham Knox, M.D., (Co-Chief)  
 George J. Christakis, M.D.  
 Robert E. McCabe, Jr., M.D.

**Thyroid Clinic**

Richard P. Keating, Jr., M.D. (Chief)  
 Charles G. Adsit, Jr., M.D.  
 George Dermksian, M.D.  
 Carl S. Oakman, M.D.  
 William J. Pyles, M.D.

## **Surgical Service**

### **Director of Surgery and Attending Surgeon**

Harold A. Zintel, M.D.

### **Consulting Surgeons**

Edward J. Donovan, M.D.  
George H. Humphreys II, M.D.  
William F. MacFee, M.D.  
Paul C. Morton, M.D.

### **Attending Surgeons**

Alexander E. W. Ada, M.D.  
Hugh F. Fitzpatrick, M.D.  
Robert W. Fraser, Jr., M.D.  
W. Graham Knox, M.D.  
Herbert Parsons, M.D.  
Bronson Sands Ray, M.D.  
(in Neuro-Surgery)  
Richard B. Stark, M.D.  
F. Stafford Wearn, M.D.  
John P. West, M.D.

### **Associate Attending Surgeons**

Charles R. Blair, M.D.  
Peter A. Bossart, M.D.  
Clayton R. DeHaan, M.D.  
Robert Edmunds, M.D.  
Colin McCord, M.D.  
Carl S. Oakman, M.D.  
Charles F. Schetlin, M.D.  
Edward G. Stanley-Brown, M.D.

### **Assistant Attending Surgeons**

Engel P. Hevenor, M.D.  
Robert E. McCabe, Jr., M.D.  
William T. Medl, M.D.  
Robert E. Miller, M.D.  
Howard R. Nay, M.D.  
Robert W. Schick, M.D.

### **Acting Assistant Attending Surgeons**

John E. Hutchinson III, M.D.  
Alan L. Rinestone, M.D.  
Robert Roth, M.D.  
John L. White, M.D.

### **General Surgical Clinic**

W. Graham Knox, M.D. (Chief)  
Charles R. Blair, M.D.  
Peter A. Bossart, M.D.  
Robert E. McCabe, Jr., M.D.  
Robert E. Miller, M.D.  
Howard R. Nay, M.D.

### **Chemotherapy Clinic:**

Robert Edmunds, M.D.  
Edward H. Reisner, M.D.

### **Hand Clinic**

Clayton R. DeHaan, M.D. (Chief)  
William T. Medl, M.D.

### **Neurosurgical Clinic**

Robert W. Schick, M.D.

### **Pediatric Surgical Clinic**

Edward G. Stanley-Brown, M.D. (Chief)

### **Plastic Surgical Clinic**

Richard B. Stark, M.D. (Chief)  
Clayton R. DeHaan, M.D.

### **Rectal Clinic**

F. Stafford Wearn, M.D. (Chief)  
Malcolm Moley, M.D. (Assistant)

## **Obstetrical and Gynecological Service**

### **Director of Obstetrics and Gynecology and Attending Obstetrician and Gynecologist**

Harold M. M. Tovell, M.D.

### **Consulting Obstetricians and Gynecologists**

Albert H. Aldridge, M.D.

Irving H. Beckwith, M.D.

G. Gordon Bemis, M.D.

Edward A. Bullard, M.D.

Joshua W. Davies, M.D.

Inglis Frost, M.D.

John G. Hill, M.D.

Locke L. Mackenzie, M.D.

James P. Marr, M.D.

John G. Moore, M.D.

Arthur J. Murphy, M.D.

Joseph N. Nathanson, M.D.

Nelson B. Sackett, M.D.

Gray H. Twombly, M.D.

### **Attending Obstetricians and Gynecologists**

Haig Carapetyan, M.D.

Arthur M. Davids, M.D.

Graham G. Hawks, M.D.

Leonard L. Hyams, M.D.

Carl T. Javert, M.D.

Elise L. Renning, M.D.

Edward J. Sivigny, M.D.

### **Associate Attending Obstetricians and Gynecologists**

William O. Buell, M.D.

William Epstein, M.D.

Emanuel Klempner, M.D.

Van P. Latsey, M.D.

Bernard N. Nathanson, M.D.

Frank Spielman, M.D.

Esther M. Ward, M.D.

### **Assistant Attending Obstetricians and Gynecologists**

John S. Aldridge, M.D.

Dolores E. Fiedler, M.D.

Peyton R. Harris, M.D.

Stuart Oster, M.D.

Ian G. Van Praagh, M.D.

Lajos I. von Micsky, M.D.

### **Research Associate in Obstetrics and Gynecology**

Barbara J. Johnston, M.D.

### **Obstetrical and Gynecological Clinics**

Edward J. Sivigny, M.D. (Chief)

### **Assistants**

Ramon Basora, M.D.

Fernando C. Cocca, M.D.

Robert Dell-Angelo, M.D.

Robert J. Gfeller, M.D.

James H. Ko, M.D.

Anne B. Pierson, M.D.

Norman H. Pritchard, M.D.

David H. Schonholz, M.D.

Neil Sherman, M.D.

Martin Siegelman, M.D.

James H. Weir, M.D.

Clarence E. Woodward, M.D.

## **Special Clinics (Woman's Hospital)**

### **Sterility and Endocrine Clinic**

Haig Carapetyan, M.D. (Chief)  
Paul Cushman, M.D.  
P. Randolph Harris, Jr., M.D.  
Dolores E. Fiedler, M.D.

### **Tumor Clinic**

Harold M. M. Tovell, M.D. (Chief)  
Ian Van Praagh, M.D.  
John S. Aldridge, M.D.  
Leonard M. Liegner, M.D. (Radiotherapy)  
Elise L. Renning, M.D.

### **Obstetrical Medical Clinic**

Robert S. Beekman, M.D. (Chief)

### **Family Planning Clinic**

Stuart Oster, M.D. (Chief)  
Anne B. Pierson, M.D.

## **Pediatrics**

### **Director of Pediatrics and Attending Pediatrician:**

Stuart S. Stevenson, M.D.

### **Consulting Pediatricians:**

Edward C. Curnen, M.D.  
Harold W. K. Dargeon, M.D.  
Reginald A. Higgons, M.D.  
Frederick C. Hunt, M.D.  
Herbert F. Jackson, M.D.  
F. Elmer Johnson, M.D.  
John F. Landon, M.D.  
Gertrude H. B. Nicolson, M.D.  
Elvira Ostlund, M.D.  
Philip M. Stimson, M.D.

### **Attending Pediatricians:**

Ruth J. Cudmore, M.D.  
J. Frederick Eagle, Jr., M.D.  
Elizabeth B. Hinckley, M.D.  
Margaret H. McKee, M.D.  
Elizabeth B. Watkins, M.D.  
Leo F. Wilking, Jr., M.D.

### **Associate Attending Pediatricians:**

Maxcy Jean Smith, M.D.  
Patricia Evelyn Spier, M.D.  
Doris L. Wethers, M.D.

### **Assistant Attending Pediatricians:**

Joseph Cannaliato, M.D.  
Elizabeth B. Decker, M.D.  
Carol C. Dickson, M.D.  
Judith Frank, M.D.  
Domenick K. Galluzzo, M.D.  
Charles Ray Jones, M.D.  
William A. Kallos, M.D.  
Catherine Lodyjensky, M.D.  
Paul Lombardi, M.D.  
Irwin J. Polk, M.D.  
K. Aurelia Raciti, M.D.  
Dudley Albert Roberts, M.D.  
Eleanor P. Roth, M.D.  
Lucy H. Swift, M.D.

### **Chief of Pediatric Clinic:**

Elizabeth B. Watkins, M.D.

### **Assistants:**

Kamila Balk, M.D.  
Pedro P. Cantillo, M.D.  
Anafred Nelson Halpern, M.D.  
Ruth Kessler, M.D.

### **Children's Cardiac Clinic:**

\*Robert B. Case, M.D. (Chief)  
\*Robert C. Atkins, M.D.  
Elvira O. Ostlund, M.D.  
\*Rene Pigeon, M.D.  
Maxcy J. Smith, M.D.  
Lucy H. Swift, M.D.

\*Assigned from Medical Service



## Special Services

### Anesthesiology

#### Director of Anesthesiology and Attending Anesthesiologist:

Louis S. Blancato, M.D.

#### Consulting Anesthesiologists:

G. Edgar Burford, M.D.

Emanuel M. Papper, M.D.

#### Attending Anesthesiologists:

Leonora L. Greteman, M.D.

Aino Tuul, M.D.

#### Associate Attending Anesthesiologist:

Ennio Gallozzi, M.D.

Errol N. Harding, M.D.

Sui Tsung Lee, M.D.

#### Assistant Attending Anesthesiologists:

Joseph Iacovelli, M.D.

Edward Los, M.D.

Altagracia Polanco, M.D.

## Dentistry

#### Director of Dentistry and Attending Dental Surgeon:

Edward Stroh, D.D.S.

#### Consulting Dental Surgeons:

Malcolm Wallace Carr, D.D.S.

† Joseph D. Eby, D.D.S.

Edward J. Ortion, D.D.S.

Henry G. Rieger, D.D.S.

#### Attending Dental Surgeons:

Eugene R. Ball, D.D.S.

Anthony S. Caruso, D.D.S.

Francis J. Faggella, D.D.S.

William Ferderber, D.D.S.

Louis G. Haase, D.D.S.

#### Associate Attending Dental Surgeons:

Edgar L. Buehler, D.D.S.

#### Assistant Attending Dental Surgeons:

Jerome Friedman, D.D.S.

Kurt Koral, D.D.S.

Kenneth Levy, D.M.D.

David P. Malkin, D.M.D.

Andrew Ragona, D.D.S.

Byron S. Severns, D.D.S.

Cosmo J. Vetrone, D.D.S.

Edward C. Vollmer, D.D.S.

(in Orthodontia)

#### Assistant:

Richard H. Sand, D.D.S.

† Deceased

## **Dermatology**

### **Director of Dermatology and Attending Dermatologist:**

Leslie P. Barker, M.D.

### **Consulting Dermatologists:**

Valentine C. Baker, M.D.

Perry M. Sachs, M.D.

Tryphosa R. Worcester, M.D.

### **Attending Dermatologists:**

Juan Larralde, M.D.

Alexander W. Young, Jr., M.D.

### **Assistant Attending Dermatologist:**

Peter Lombardo, M.D.

### **Chief of Dermatology and Syphilis Clinic:**

Leslie P. Barker, M.D.

### **Assistants:**

Helen Joan Fabian, M.D.

Herbert Kraut, M.D.

Roy Albert Stephens, M.D.

Eugene Sweeney, M.D.

## **Ophthalmology**

### **Director of Ophthalmology and Attending Ophthalmologist**

Harry Eggers, M.D.

### **Consulting Ophthalmologists:**

John H. Dunnington, M.D.

Walter Hipp, M.D.

Algernon B. Reese, M.D.

Henry Templeton Smith, M.D.

### **Attending Ophthalmologists:**

Graham Clark, M.D.

Ira S. Jones, M.D.

Robert McClanahan, M.D.

Howard K. Weisberg, M.D.

### **Associate Attending Ophthalmologists:**

John Eden, M.D.

John E. Lally, M.D.

### **Assistant Attending Ophthalmologists:**

William Cooper, M.D.

Dennis B. Freilich, M.D.

Richard S. Kochman, M.D.

James C. Newton, M.D.

Lydia Perez-Guardiola, M.D.

Wilson C. Starr, M.D.

### **Chief of Ophthalmology Clinic:**

Harry Eggers, M.D.

## Orthopedic Surgery

### Director of Orthopedic Surgery and Attending Orthopedic Surgeon:

Frederick R. Thompson, M.D.

### Consulting Orthopedic Surgeons:

David M. Bosworth, M.D.  
Mather Cleveland, M.D.

### Attending Orthopedic Surgeons:

J. William Fielding, M.D.  
Hudson Jennings Wilson, M.D.  
Edward Milton Winant, M.D.

### Associate Attending Orthopedic Surgeon:

Leon Katowicz, M.D.

### Assistant Attending Orthopedic Surgeons:

Benjamin O. Brane, M.D.  
Lawrence Mann Demarest, M.D.  
Richard G. Freeman, M.D. (Acting)  
George F. Hewson, M.D. (Acting)  
Norman A. Hill, M.D.  
William A. Liebler, M.D.  
Henry J. Magliato, M.D.  
Robert E. Zickel, M.D.

### Chief of Orthopedic Surgery Clinic:

Hudson Jennings Wilson, M.D.

### Assistant:

Jerome J. Moga, M.D.

## Otolaryngology

### Director of Otolaryngology and Attending Otolaryngologist:

Stanley Whitfield, M.D.

### Consulting Otolaryngologists:

Daniel C. Baker, M.D.  
Paul H. Breuning, M.D.  
Ashby G. Martin, M.D.  
Victor C. McCuaig, M.D.  
John Ross, M.D.  
Hilton H. Stothers, M.D.

### Attending Otolaryngologists:

Orrin E. Anderson, M.D.  
A. Reginald Everett, M.D.  
James C. Kirkbright, M.D.  
Duncan R. McCuaig, M.D.

### Associate Attending Otolaryngologists:

Richard J. Bellucci, M.D.  
Charles C. Harrold, M.D.  
(in Tumor Surgery)  
Thomas J. Mackie, M.D.  
Norman N. Ostrov, M.D.

### Assistant Attending Otolaryngologists:

Samuel V. Boor, M.D.  
Arthur S. Brenner, M.D.  
Harmon Talley Rhoads, Jr., M.D.  
(in Plastic Surgery)

### Acting Assistant Attending Otolaryngologists:

Lachlan Mackenzie, M.D.  
Ira D. Rothfeld, M.D.  
Raymond B. Strauss, M.D.

### Chief of Otolaryngology Clinic:

Lachlan Mackenzie, M.D.

### Assistant:

Mavrikij P. Chester, M.D.

## **Pathology**

### **Director of Pathology and Attending Pathologist:**

Charles F. Begg, M.D.

### **Consulting Pathologists:**

Virginia K. Frantz, M.D.  
Leila C. Knox, M.D.  
Rafael Lattes, M.D.  
Donald McKay, M.D.  
Leon Motyloff, M.D.  
Arthur Purdy Stout, M.D.

### **Associate Attending Pathologist:**

Artemis D. Nash, M.D.

### **Assistant Attending Pathologists:**

Harold P. Gaetz, M.D.  
George W. Munsick, M.D.  
Stephen F. Ryan, M.D.

## **Physical Medicine**

### **Director of Physical Medicine and Attending Physiatrist:**

Shyh-Jong Yue, M.D.

### **Assistant Attending Physiatrist**

Antonio Cocchiarella, M.D.

## **Psychiatry**

### **Director of Psychiatry and Attending Psychiatrist:**

John M. Cotton, M.D.

### **Consulting Psychiatrists:**

E. Livingston Hunt, M.D.  
John McDowell McKinney, M.D.

### **Attending Psychiatrists:**

Benjamin H. Balser, M.D.  
Frank J. Curran, M.D.  
Henriette R. Klein, M.D.  
Earl A. Loomis, M.D.  
David M. MacDonald, M.D.  
Bernard L. Pacella, M.D.  
Harry Reiss, M.D.

### **Associate Attending Psychiatrists:**

John A. Atchley, M.D.  
Alexander Caemmerer, Jr., M.D.  
Jean Munzer, M.D.  
Luis Perelman, M.D.  
Herbert Spiegel, M.D.  
Samuel Finley Thomas, M.D.  
Jerry M. Wiener, M.D.  
Charles P. Wilson, M.D.  
Adolfo Zier, M.D.

### **Assistant Attending Psychiatrists:**

Abraham A. Chaplan, M.D.  
Ralph Colp, Jr., M.D.  
Thomas J. Craig, M.D.  
Victor D'Arc, M.D.  
Sam Ehre, M.D.  
Alan M. Elkins, M.D.  
† William A. Geohagan, M.D.  
Richard J. Glavin, M.D.  
Jerome Haber, M.D.  
Willard S. Kahn, M.D.  
James G. Katis, M.D.  
Clarice J. Kestenbaum, M.D.  
Arthur Livingston, M.D.  
John A. Milici, M.D.

† Deceased

Robert S. Mumford, M.D.  
 George A. Papanek, M.D.  
 Dallas Pratt, M.D.  
 David Read, M.D.  
 Charles H. Richards, M.D.  
 Melvin Udel, M.D.  
 Thorton A. Vandersall, M.D.

#### **Research Associates:**

Myra Hatterer, M.D.  
 Herbert Hendin, M.D.  
 Robert Shaw, M.D.

#### **Adult Clinic:**

David M. MacDonald, M.D. (Chief)

#### **Child Psychiatry:**

Jerry M. Wiener, M.D. (Chief)

#### **Assistants:**

Philip A. Ernst, M.D.  
 James Randall, M.D.  
 John W. Schermer, M.D.  
 Charles Siegel, M.D.  
 Ernest A. Wacker, M.D.  
 Heinz Wennert, M.D.

## **Radiology**

#### **Director of Radiology and Attending Radiologist:**

Nathaniel Finby, M.D.

#### **Consulting Radiologists:**

Herbert F. Hempel, M.D.  
 Harriet McIntosh, M.D.  
 Rieva Rosh, M.D.  
 (in Radiation Therapy)

#### **Attending Radiologists:**

Samuel D. Hemley, M.D.  
 Virginia Kanick, M.D.  
 Richard D. Kittredge, M.D.  
 Leonard M. Liegner, M.D.  
 (in Radiation Therapy)

#### **Associate Attending Radiologists:**

Dorothy Ekstrom, M.D.  
 Theresa L. Siebert, M.D.

#### **Assisting Attending Radiologist:**

Leonard Kaufman, M.D.

#### **Acting Assistant Radiologists:**

John W. Anderson, M.D.  
 Milton Bienstock, M.D.  
 Nancy S. Wehner Hoge, M.D.

## **Urology**

### **Director of Urology and Attending Urologist:**

John W. Draper, M.D.

### **Consulting Urologists:**

† George F. Hoch, M.D.

John A. Taylor, M.D.

### **Attending Urologists:**

Eugene L. Hoch, M.D.

Russell W. Lavengood, Jr., M.D.

† Boris P. Petroff, M.D.

Constantine Photos, M.D.

### **Associate Attending Urologists:**

Waleed J. Maloof, M.D.

Joseph N. Ward, M.D.

### **Assistant Attending Urologist:**

Alfred F. Fretz, M.D.

### **Research Associate**

Michael Sierp, M.D.

### **Chief of Urology Clinic:**

Alfred F. Fretz, M.D.

† Deceased

## Clinical Departments—1966

### Hearing and Speech

*Director of Otolaryngology:*

Stanley Whitfield, M.D.

*Director of Hearing and Speech:*

James C. Kirkbright, M.D.

*Audiologist:*

Diana L. B. Meyer, B.S.

*Consultants in Speech:*

Jane Dorsey Zimmerman, Ph.D.

William H. Canfield, Ed.D.

*Speech Therapist:*

Paul D. Burgess, Jr., M.A.

### Laboratories

*Director:*

Charles F. Begg, M.D.

*Associate Director:*

Artemis D. Nash, M.D.

*Assistant Directors:*

Harold P. Gaetz, M.D.

George W. Munsick, M.D.

Stephen F. Ryan, M.D.

*Assistant Director*

*(Bacteriology and Microbiology):*

Victor Bokkenheuser, M.D.

*Assistant Director (Biochemistry):*

Louis B. Dotti, Ph.D.

*Cytologist:*

Joseph P. Schwartz, D.D.S.

### Medical Departments

*Director:*

Theodore B. Van Itallie, M.D.

### Blood Bank

*Director:*

Myron Wright, M.D.

*Consultant:*

Luis A. Amill, M.D.

*Administrative Director:*

Albert De Natale, Ph.G., Ph.C.

*Assistant Directors:*

John F. Bertles, M.D.

Fred J. Schilling, M.D.



### **Cardio-Pulmonary Laboratory**

*Director:*

A. L. Loomis Bell, Jr., M.D.

*Assistant Director:*

Seiichi Shimomura, M.D.

*Consultant:*

Oswald R. Jones, M.D.

### **Electrocardiography**

*Director:*

E. P. Childs, M.D.

### **Electroencephalography**

*Director:*

Charles H. Richards, M.D.

### **Radioisotope Laboratory**

*Director:*

Richard N. Pierson, Jr., M.D.

*Consultant:*

Richard P. Keating, M.D.

*Consultant in Radiotherapy:*

Leonard M. Liegner, M.D.

### **Physical Medicine**

*Director:*

Shyh-Jong Yue, M.D.

### **Radiology**

*Director:*

Nathaniel Finby, M.D.

*Associate Directors:*

Virginia Kanick, M.D.

Richard Kittredge, M.D.

*Chief, Radiation Therapy Section:*

Leonard M. Liegner, M.D.

### **Scientific Advisory Staff**

#### **Medicine**

*Consultant in Virology:*

James A. Baker, Ph.D.

*Consultant in Medical Care:*

Frederick D. Mott, M.D.

*Associate Consultants in Biochemistry:*

Thomas A. Borgese, Ph.D.

John B. Derrick, Ph.D.

*Assistant Consultant in Physiology:*

Susanne Clark, Ph.D.

*Consultant in Hematology:*

Theodore H. Spaet, M.D.

*Associate Consultant in Bio-Engineering:*

Edward F. Leonard, Ph.D.

#### **Otolaryngology**

*Consultant in Speech Therapy:*

Jane Dorsey Zimmerman, Ph.D.

*Associate Consultant in Speech Therapy:*

William Henry Canfield, Ed.D.

#### **Psychiatry**

*Associate Consultant in Sociology:*

Emily Mumford, Ph.D.

#### **Radiology**

*Associate Consultant in Radiation Physics:*

Harald H. Rossi, Ph.D.

# House Staff

## Medicine

### Chief Resident

Arthur J. Lennon, M.D.

### Fellows

Airlie Cameron, M.D.  
David S. David, M.D.  
Michael Dubin, M.D.  
Michael Gang, M.D.  
Esteban Mezey, M.D.  
Phinert Tantibhedhyangkul, M.D.

### Resident

J. P. Saroj Devi, M.D.\*

### Senior Assistant Residents

Andrew B. Bordier, M.D.  
George Conrad, Jr., M.D.  
Evelyn P. Dooley, M.D.  
Robert J. Menegaz, M.D.  
Harry A. Roselle, M.D.

### Junior Assistant Residents

Carl Braren, M.D.  
Carole S. Burnham, M.D.  
Thomas J. Ekkers, M.D.  
Susan Harris, M.D.  
Linda Lewis, M.D.  
John R. Morse, M.D.  
Robert H. Nenninger, M.D.  
David N. Reifsnyder, M.D.

### Interns

Robert O. Baratta, M.D.  
James L. Barzun, M.D.  
John J. Darrah, M.D.  
Joseph A. Donaïdo, M.D.  
Richard H. Landesman, M.D.  
Alfred Muller, M.D.  
Ruth J. Ratzan, M.D.  
Herbert L. Rothman, M.D.  
Henry A. Selvey, M.D.  
Martha Webb, M.D.  
Maynard Wheeler, M.D.

## Cardiology

### Resident

Ralph G. Oriscello, M.D.

## Surgery

### Residents

Alberto Agudelo, M.D.\*  
John T. Daniel, M.D.\*  
Thomas C. Sumners, M.D.  
(in Plastic Surgery)

### First Assistant Residents

Richard C. Cea, M.D.  
Takagi Hiroshi, M.D.  
E. Roger Newman, M.D.  
Gabriel T. Rizzi, M.D.

### Second Assistant Residents

Peter B. Cinelli, M.D.  
Joshua M. Kaplan, M.D.  
Donald Minervini, M.D.  
John R. Scott, M.D.

### Third Assistant Residents

Thomas B. Caldwell III, M.D.  
Leif O. Holgersen, M.D.  
Anthony H. Horan, M.D.  
James E. O. Hughes, M.D.  
Charles R. Kuehner, M.D.  
Keatjin Lee, M.D.  
William S. Piper, III, M.D.  
Joseph D. Putignano, M.D.  
Sanford A. Ratzan, M.D.  
Lawrence F. Simon, M.D.  
George L. Unis, M.D.

### Interns

John H. Baker, M.D.  
Karl P. Jacobsen, M.D.  
Robert L. McRoberts, M.D.  
Norman B. Medow, M.D.  
James A. Pressly, M.D.  
David K. Saland, M.D.  
Nicholas A. B. Szabo, M.D.  
Russell F. Warren, M.D.

\*On Affiliation from the Veterans' Administration Hospital

## **Obstetrics and Gynecology**

### **Residents**

John A. Bennett, M.D.  
Ralph J. Berardi, M.D.  
Soon O. Chung, M.D.  
John G. Ketterer, M.D.  
Miguel A. Pulido, M.D.  
John A. Rudolph, M.D.  
Aida A. Santos, M.D.  
Mostafa A. Selim, M.D.  
Prakob Thongphien, M.D.\*

### **First Assistant Residents**

Raymond H. Basora, M.D.  
Romeo M. DeGracia, M.D.  
Mona Devanesan, M.D.  
Daryl E. Murdoch, M.D.  
Theodore K. Tobias, M.D.

### **Second Assistant Residents**

Charles P. Foote, M.D.  
Arnold Roufa, M.D.  
William Wong, M.D.

## **Pediatrics**

### **Chief Resident**

Ronald I. Platt, M.D.

### **Residents**

Mary McMichael, M.D.  
Mary Ann Radkowski, M.D.

### **Assistant Residents**

Robert J. Hobbie, M.D.  
David E. Osgood, M.D.  
Desmond J. Reilly, M.D.  
Morton J. Seligman, M.D.

### **Interns**

Diane L. Acker, M.D.  
Irene Chin, M.D.  
Martha Collins, M.D.  
Eugenia P. Marcus, M.D.

## **Anesthesiology**

### **Residents**

Erlinda Abalos, M.D.  
Khurshid Channah, M.D.  
Robert Chin-erh Lin, M.D.  
Hilda H. C. Liu, M.D.  
Tsu Chin Peng, M.D.  
Carmen Santos, M.D.  
Renato V. Serrano, M.D.  
Manjula Shah, M.D.  
Eliza N. Tan, M.D.

### **Assistant Residents**

Delia Alonsabe, M.D.  
Felicitas de Guzman, M.D.  
Adeliza De La Cruz, M.D.  
Zosimo E. Micabalo, M.D.  
Dawn Selim, M.D.

## **Dentistry**

### **Residents in Oral Surgery**

Lawrence E. Himelfarb, D.D.S.  
Elvin J. Marged, D.D.S.

## **Dermatology**

### **Resident**

Leon Miller, M.D.

### **Assistant Resident**

William R. Barbee, M.D.

## **Ophthalmology**

### **Resident**

Irineo P. Acacio, M.D.

### **Assistant Residents**

Ulises Arango, M.D.  
Alfred R. Bonsignore, M.D.  
Eusebio G. Salud, M.D.

\*On Affiliation from the Veterans'  
Administration Hospital

## Orthopedics

### Residents

Courtney W. Brown, M.D.  
Erik A. Rosenthal, M.D.

### First Assistant Residents

Anthony V. Carella, M.D.\*\*  
John P. Milbauer, M.D.

### Second Assistant Residents

Clarency A. Dunn, Jr., M.D.  
Peter B. Germond, M.D.  
Peter F. B. von Bormann, M.D.

## Otolaryngology

### Assistant Residents

George W. Jackson, M.D.  
Taddeo F. Laiacona, M.D.  
Agadurappa Mahadevaiah, M.D.

## Pathology

### Resident

Thomas S. N. Chen, M.D.

### Second Assistant Residents

Judith A. Boone, M.D.  
Sergio G. Ibarguen, M.D.

### Third Assistant Resident

Peter F. Salomon, M.D.

## Psychiatry

### Adult Service

#### Fellows

Richard C. Conroy, M.D.  
David A. Eless, M.D.  
Seymour Warman, M.D.

### Residents

Marcia Alexander, M.D.  
Maria G. Balsam, M.D.  
Richard R. Golden, M.D.  
Gerald Kleinerman, M.D.  
Theodore B. Robbins, M.D.  
Carlotta L. Schuster, M.D.

### Child Service

#### Residents

Jacinto Font-Carrion, M.D.  
Edward E. Gilmour, M.D.

## Radiology

### Fellow

Valentino J. Bianchini, M.D.

### Residents

Ronald W. Ermini, M.D.  
Stephen B. Lo Curcio, M.D.

### First Assistant Residents

William M. Colaice, M.D.  
Arthur S. Geller, M.D.

### Second Assistant Residents

Michael H. Geller, M.D.  
Vera A. Voges, M.D.

## Urology

### Fellow

Manuel Fernandes, M.D.

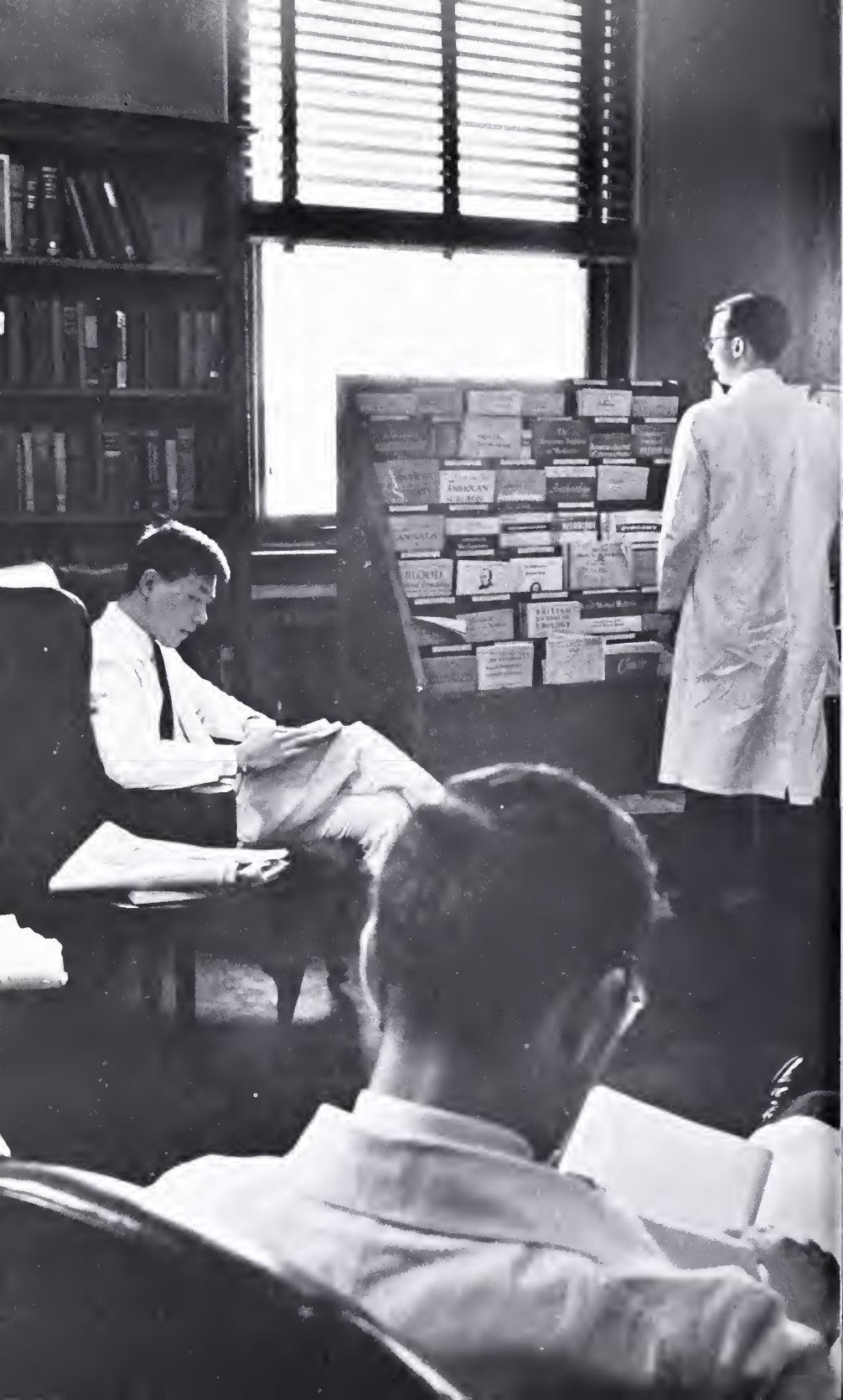
### Residents

Albert V. Assali, M.D.  
Rudolph Talarico, M.D.  
Pellegrino J. Tozzo, M.D.

### Assistant Resident

Abdul Majid, M.D.

\*\* (to St. Giles 7/1/66 - 12/31/66)



# Publications, by Members of St. Luke's Hospital Medical and Scientific Staffs 1965

- ALTER, SHELDON joint author. See: CUSHMAN, PAUL  
HILTON, JAMES G.  
PIERSON, RICHARD N., Jr.
- BALSER, BENJAMIN H.; WACKER, ERNEST A.; GRATWICK, MITCHELL; MUMFORD, ROBERT S.; CLINTON, WILLIAM; BALSER, PAULA B.  
Predicting Mental Disturbance in Early Adolescence. *Am. J. Psychiat.* 121: Suppl. xi
- BARKER, LESLIE P.; SACHS, PERRY M.  
Angioma Serpiginosum, a Comparative Study. *AMA Arch. Dermat.* 92:613.
- BEGG, CHARLES F. joint author. See: FINBY, NATHANIEL
- BENNETT, SUSANNE, Ph.D.; HOLT, PETER R.  
Rate-limiting Steps during Intestinal Absorption of Fat as Triglyceride. *Clin. Res.* 13:535.
- BERGEN, STANLEY S., Jr.; ROELS, OSWALD A., Ph.D.  
Hypervitaminosis A. Report of a Case. *Am. J. Clin. Nutr.* 16:265.
- BERTLES, JOHN F.; BORGESE, THOMAS A., Ph.D.  
Induced Alteration of Hemoglobin Proportions in a Multi-hemoglobin System. *Blood* 26:861.
- BERTLES, JOHN F.; ROTH, ELEANOR P.; ANKU, V.; BORGESE, THOMAS A., Ph.D.  
Observations on the Hemoglobin F Content of Irreversibly Sickled Cells. *Blood* 26:862.
- BERTLES, JOHN F. joint author. See: BORGESE, THOMAS A., Ph.D.
- BLANCATO, LOUIS S. joint author. See: GALLOZZI, ENNIO
- BORGESE, THOMAS A., Ph.D.; BERTLES, JOHN F.  
Appearance of an Embryonic-like Hemoglobin in the Methotrexate-treated Adult White Peking Duck. *Proc. Soc. Exper. Biol. and Med.* 119:1218.  
Hemoglobin Heterogeneity: Embryonic Hemoglobin in the Duckling and its Disappearance in the Adult. *Science* 148:509.  
Ontogeny of Duck Hemoglobins. *Fed. Proc.* 24:721.
- BORGESE, THOMAS A., Ph.D. joint author. See: BERTLES, JOHN F.
- CAMPBELL, ROBERT G.; HASHIM, SAMI A.; VAN ITALLIE, THEODORE B.  
Octanoate-induced Hypoglycemia in the Dog. *Clin. Res.* 13:547.

- CASE, ROBERT B. joint author. See: ROSELLE, HARRY A.
- CHRISTAKIS, GEORGE J.; RINZLER, SEYMOUR H.; ARCHER, MORTON; HASHIM, SAMI A.; VAN ITALLIE, THEODORE B.  
Effect of a Serum Cholesterol-lowering Diet on Composition of Depot Fat in Man. *Am. J. Clin. Nutr.* 16:243.
- CHRISTAKIS, GEORGE J.; SEVERINGHAUS, ELMER L.; MALDONADO, ZOILO; KAFATOS, FOTIS C.; HASHIM, SAMI A.  
Crete: A Study in the Metabolic Epidemiology of Coronary Heart Disease. *Am. J. Cardiol.* 15:320.
- COTTON, JOHN M.  
Psychiatry in New York City. *Am. J. Psychiat.* 121:1007.  
Retiring Address (as Pres. of Med. Soc. of County of N.Y.) *N.Y. Med.* 21:372.
- CRAMPTON, RICHARD S.  
Reversed Splitting of the Second Heart Sound in Ambulatory Coronary Heart Disease. *Clin. Res.* 13:525.
- CRAMPTON, RICHARD S. joint author. See: ROSELLE, HARRY A.
- CUSHMAN, PAUL; ALTER, SHELDON; HILTON, JAMES G.  
Comparison of Rb and K on Aldosterone Secretion in the Dog. *Clin. Res.* 13:241.  
Effects of DCI and DHE on Dog Steroid Production. *Clin. Res.* 13:321.  
Effects of Clomiphene on Oestradiol Alterations in Thyroxine and Cortisol Transport in Man. *Acta Endocrinologica* 50:329.  
Studies on the Mechanism of Action of Clomiphene. *J. New Drugs* 5:253.
- CUSHMAN, PAUL; PULIDO, MIGUEL A.; HILTON, JAMES G.  
The Effects of Oestradiol on Cortisol Secretion by the Isolated Dog Adrenal. *Acta Endocrinologica* 48:225.
- CUSHMAN, PAUL; HILTON, JAMES G.  
Influence of Reserpine on Cortisol Production in the Dog. *J. Endocrin.* 31:181.  
Effects on Corticosteroid Production by an Inhibitor of Cholesterol Biosynthesis in the Dog. *Metab.* 14:924.  
Effects of an Inhibitor of Cholesterol Biosynthesis on Cortisol Production in Dogs. *Fed. Proc.* 24:449.
- CUSHMAN, PAUL joint author. See: HILTON, JAMES G.
- DARGEON, HAROLD W. K.  
Considerations in the Treatment of Reticuloendotheliosis. *Am. J. Roentgenol., Radium Ther. and Nuclear Med.* 93:521.
- DeHAAN, CLAYTON R. joint author. See: WEATHERLEY-WHITE, ROY C. A.
- DRAPER, JOHN W.  
Development of Sulfonamides; Historical Account. *Cur. Med. Dig.* 32:855.
- DRAPER, JOHN W. joint author. See: KITTREDGE, RICHARD D.  
WARD, JOSEPH N.



DUBOIS, JOHN J. joint author. See: KERR, ROBERT H.

DWYER, EDWARD M., Jr.; TRONCALE, FRANK

Spontaneous Pneumothorax and Pulmonary Disease in the Marfan Syndrome:  
Report on Two Cases and Review of Literature. *Ann. Int. Med.* 62:1285.

EDMUNDS, ROBERT; HUGHES, JOHN H.

Re-exploration of the Common Bile Duct. *AMA Arch. Surg.* 90:876.

EDMUNDS, ROBERT; RUCKER, CHARLES; FINBY, NATHANIEL

Intravenous Cholangiography. *AMA Arch. Surg.* 90:73.

FINBY, NATHANIEL; BEGG, CHARLES F.

*Correlation Conferences in Radiology and Pathology:*

Arteriovenous Malformation of the Brain. *N.Y. State J. Med.* 65:554.

Constricting Lesion of Rectosigmoid (Granulomatous Colitis). *N.Y. State J. Med.* 65:1020.

Parenchymal Lung Disease of Sixteen Years Duration. *N.Y. State J. Med.* 65:1679.

Lymphoma Limited to the Stomach. *N.Y. State J. Med.* 65:2137.

Schistosomiasis of Bladder. *N.Y. State J. Med.* 65:2589.

Reticulum Cell Lymphoma with Dysphagia as Presenting Symptom, *N.Y. State J. Med.* 65:3060.

FINBY, NATHANIEL joint author. See: EDMUNDS, ROBERT

HEMLEY, SAMUEL D.

KITTREDGE, RICHARD D.

KNOX, W. GRAHAM

FINBY, NATHANIEL joint author with POKER, NATHAN; ARCHBALD, REGINALD M.

Spondyloepiphyseal Dysplasia Tarda. Four Cases in Childhood and Adolescence,  
and Some Considerations Regarding Platyspondyly. *Rad.* 85:474.

FITZPATRICK, HUGH F. joint author. See: MILLER, ROBERT E.

GAETZ, HAROLD P. joint author. See: SCHWARTZ, DAVID T.

GALLOZZI, ENNIO; BLANCATO, LOUIS S.; STARK, RICHARD B.

Deliberate Hypotension of Blepharoplasty and Rhytidectomy. *Plastic and Reconstr. Surg.* 35:285.

GEER, FRANCIS G. joint author. See: ROSELLE, HARRY A.

GOTT, PETER H.

A Simplified Method for Thoracentesis and Pleural Fluid Drainage. *Am. Rev. Respir. Dis.* 92:295.

HANCHETT, E. S.

Public Health: Art and Science. *Nurs. Sc.* 3:454.

HASHIM, SAMI A.; VAN ITALLIE, THEODORE B.

Clinical and Physiological Aspects of Obesity. *J. Am. Diet. Assn.* 46:15.

Studies in Normal and Obese Subjects with a Monitored Food Dispensing Device.  
*Ann. N.Y. Acad. Sc.* 131:654.

Cholestyramine Resin Therapy for Hypercholesterolemia. *Clin. and Metab. Studies. JAMA* 192:289.

- HASHIM, SAMI A.; KRELL, KENNETH; MAO, PAULINE; VAN ITALLIE, THEODORE B.  
Portal Venous Transport of Free Pelargonic Acid Following Intestinal Installation of Tripelargonin. *Nature* 207:527.
- HASHIM, SAMI A. joint author. See: CAMPBELL, ROBERT G.  
CHRISTAKIS, GEORGE J.  
HOLT, PETER R.  
VAN ITALLIE, THEODORE B.  
ZURIER, ROBERT B.
- HEMLEY, SAMUEL D.; KANICK, VIRGINIA; KITTREDGE, RICHARD D.; FINBY, NATHANIEL  
Nephrotomography. *Medica Mundi* 10:97.
- HILTON, JAMES G.; ALTER, SHELDON; CUSHMAN, PAUL  
Aldosterone Secretion: Differences in Direct Effects of Rubidium and Potassium Perfusion into Dog Adrenals. *Nature* 308:1099.
- HILTON, JAMES G. joint author. See: CUSHMAN, PAUL  
PIERSON, RICHARD N., Jr.
- HOLT, PETER R.  
Glucose Metabolism by Slices of Hamster's Small Intestine. *Am. J. Physiol.* 208:324.
- HOLT, PETER R.; FINK, DAVID L.; ZINTEL, HAROLD A.; CROUSE, JOHN  
Effect of Aldosterone on Colonic Transport of Sodium in Dogs. *Clin. Res.* 13:31.
- HOLT, PETER R.; HASHIM, SAMI A.; VAN ITALLIE, THEODORE B.  
Treatment of Malabsorption Syndrome and Exudative Enteropathy with Synthetic Medium Chain Triglycerides. *Am. J. Gastroenterol.* 43:549.
- HOLT, PETER R. joint author. See: BENNETT, SUSANNE, Ph.D.  
KERR, ROBERT H.
- HUGHES, JOHN H. joint author. See: EDMUNDS, ROBERT
- ISWARIAH, JOHN W. joint author. See: KITTREDGE, RICHARD D.
- JONES, IRA S.; REESE, ALGERNON B.; (by invitation) KROUT, JOEL  
Orbital Rhabdomyosarcoma: An Analysis of Sixty-two Cases. *Tr. Am. Ophth. Soc.* 63:223.
- KANICK, VIRGINIA joint author. See: HEMLEY, SAMUEL D.
- KERR, ROBERT H.; DUBOIS, JOHN J.; HOLT, PETER R.  
Exogenous and Endogenous Albumin Turnover Measured Simultaneously with  $^{51}\text{Cr}$  and  $^{125}\text{I}$  Labeled Albumin. *Fed. Proc.* 24:173.
- KITTREDGE, RICHARD D.; FINBY, NATHANIEL  
Aortography Problems in the Aged Patient. *J. Am. Geriatr. Soc.* 13:3.  
Lymphangiography in Lymphoma. *Am. J. Roentgenol., Radium Ther. and Nuclear Med.* 94:935.  
The Many Facets of Lymphangioma. *Am. J. Roentgenol., Radium Ther. and Nuclear Med.* 95:56.  
Amyloid Heart Disease. *Am. J. Roentgenol., Radium Ther. and Nuclear Med.* 95:662.

KITTREDGE, RICHARD D.; ISWARIAH, JOHN W.; DRAPER, JOHN W.; FINBY, NATHANIEL

Experimental Kidney Laceration, Rupture, and Amputation. *Am. J. Roentgenol., Radium Ther. and Nuclear Med.* 93:891.

KITTREDGE, RICHARD D. joint author. See: HEMLEY, SAMUEL D.

KNOX, W. GRAHAM

The Use of a Jejunal Pouch in Treating Postgastrectomy Malnutrition. *Ann. Surg.* 161:38.

KNOX, W. GRAHAM; FINBY, NATHANIEL; MOSCARELLA, ALFRED A.

Limitations of Arteriography in Determining Operability in Certain Cases of Femoropopliteal Occlusive Disease. *Ann. Surg.* 161:509.

KNOX, W. GRAHAM; NAY, HOWARD R.; McCABE, ROBERT E.

The Subclavian Steal Syndrome. Report of Three Cases. *Postgrad. Med.* 38:608.

KRELL, KENNETH joint author. See: HASHIM, SAMI A.

LIEGNER, LEONARD M.; McCUAIG, DUNCAN R.

Laryngeal Cancer—Primary Treatment with Cobalt<sup>60</sup> in a General Hospital. *Radiol.* 84:718; *JAMA* 191:2:26.

MAO, PAULINE joint author. See: HASHIM, SAMI A.

McCABE, ROBERT E. joint author. See: KNOX, W. GRAHAM

McCORD, COLIN joint author with HERR, R.; STARR, A.; WOOD, J. A.

Special Problems Following Valve Replacement: Embolus, Leak, Infection, and Cell Damage. *Ann. Thor. Surg.* 1:403.

McCUAIG, DUNCAN R. joint author. See: LIEGNER, LEONARD M.

MILLER, ROBERT E.; FITZPATRICK, HUGH F.

Nontraumatic Perforation of Common Hepatic Duct. *Arch. Surg.* 90:118.

MOSCARELLA ALFRED A.; WEST, JOHN P.

Acute Peptic Ulceration with Hemorrhage Following Major Surgery. 20th Congress de la Societe Internationale de la Chirurgie, Rome, 1965.

MOSCARELLA, ALFRED A. joint author. See: KNOX, W. GRAHAM

MUMFORD, ROBERT S. joint author. See: BALSER, BENJAMIN H.

NATHANSON, BERNARD N. joint author. See: WARD, JOSEPH N.

NAY, HOWARD R. joint author. See: KNOX, W. GRAHAM

NEWTON, JAMES C. joint author with BARSA, J. A.; SAUNDERS, J. C.

Lenticular and Corneal Opacities during Phenothiazine Therapy. *JAMA* 193:10.

NEWTON, JAMES C. joint author with KOHTIAO, A.; SCHWELL, H.; RESNICK, I.

Hazards and Physiological Effects of Laser Radiation. *Ann. N.Y. Acad. Sc.* 122:777.

PIERSON, RICHARD N., Jr.; ALTER, SHELDON; ROSELLE, HARRY A.; HILTON, JAMES G.

The Early Effects of Intravenous Furosemide on Red Cell Mass, Hematocrit, and Plasma Volume in Man. *Clin. Res.* 13:557.

- PI-SUNYER, FRANCIS X.; GILLES, H. M.; WILSON, A. M. M.  
Schistosoma Haematobium Infection in Nigeria. *Ann. Trop. Med. and Parasitol.* 59:304.
- PULIDO, MIGUEL A. joint author. See: CUSHMAN, PAUL
- REESE, ALGERNON B. joint author. See: JONES, IRA S.
- ROSELLE, HARRY A.; CRAMPTON, RICHARD S.; CASE, ROBERT B.  
Experimental Production of S-T Alternans: Its Relation to Mechanical Events. *Clin. Res.* 13:218.
- ROSELLE, HARRY A.; SCWARTZ, DAVID T.; GEER, FRANCIS G.  
Trichinosis from New England Bear Meat. *New Engl. J. Med.* 272:304.
- ROSELLE, HARRY A. joint author. See: PIERSON, RICHARD N., Jr.
- ROELS, OSWALD A., Ph.D. joint author. See: BERGEN, STANLEY S., Jr.
- ROTH, ELEANOR P. joint author. See: BERTLES, JOHN F.
- RUCKER, CHARLES M. joint author. See: EDMUNDS, ROBERT
- SACHS, PERRY M. joint author. See: BARKER, LESLIE P.
- SAUTER, LILIANNA S.  
Urinary Output of Total and Individual Fractions of 17-Ketosteroids in Patients with Acne. *Dermatologica* 131:343.
- SCHUH, FREDERIC D. joint author. See: ZINTEL, HAROLD A.
- SCHWARTZ, DAVID T.; GAETZ, HAROLD P.  
Multiple Granular Cell Myoblastomas of the Stomach. *Am. J. Clin. Pathol.* 44:453.
- SCHWARTZ, DAVID T. joint author. See: ROSELLE, HARRY A.
- SEBRELL, W. HENRY, Jr.; VAN ITALLIE, THEODORE B.  
The Science of Nutrition in the Medical Curriculum. *Ann. N.Y. Acad. Sc.* 128:457.
- SPIEGEL, HERBERT  
Imprinting, Hypnotizability Learning as Factors in the Psychotherapeutic Process. *Am. J. Clin. Hypnosis* 7:221.
- STANLEY-BROWN, EDWARD G.; STEVENSON, STUART S.  
Massive Gastrointestinal Hemorrhage in the Newborn Infant. *Ped.* 35:482.
- STARK, RICHARD B.  
Plastic Surgery and Burns. *SGO* 120:285.  
Congenital Anomalies. *Review Surg.* 22:305.
- STARK, RICHARD B. joint author. See: GALLOZZI, ENNIO  
WEATHERLEY-WHITE, ROY C. A.
- STEVENSON, STUART S. joint author. See: STANLEY-BROWN, EDWARD G.
- VAN ITALLIE, THEODORE B.; HASHIM, SAMI A.  
Avenue of Control of Serum Cholesterol. Pp. 1-15 in *Metabolism of Lipids as Related to Atherosclerosis*. Compiled by Fred A. Kummerow; Charles C. Thomas, Publisher, Springfield, Ill.

- VAN ITALLIE, THEODORE B. joint author. See: CAMPBELL, ROBERT G.  
CHRISTAKIS, GEORGE J.  
HASHIM, SAMI A.  
HOLT, PETER R.  
SEBRELL, W. HENRY, Jr.  
ZURIER, ROBERT B.
- WACKER, ERNEST A. joint author. See: BALSER, BENJAMIN H.
- WARD, JOSEPH N.; NATHANSON, BERNARD N.; DRAPER, JOHN W.  
The Pelvic Kidney. *J. Urol.* 94:36.
- WEATHERLEY-WHITE, ROY C. A.; STARK, RICHARD B.; DeHAAN, CLAYTON R.  
The Objective Measurement of Nasality in Cleft Palate Patients Correlation with  
Listener Judgements. *Plast. and Reconstr. Surg.* 35:588.
- WEST, JOHN P.  
Carcinoma of the Breast: Results of Radical Mastectomy. *N.Y. State J. Med.* 65:245.
- WEST, JOHN P. joint author. See: MOSCARELLA, ALFRED A.
- YOUNG, ALEXANDER W., JR.  
Dermatogeriatric Problems in the Chronic Disease Hospital. *N.Y. State J. Med.*  
65:1748.
- YOUNG, ALEXANDER W., JR., SUN, PHI-AN  
Early Syphilis and the Problem of Positive Serologic Findings in the Geriatric  
Patient. *J. Am. Gero. Soc.* 8:462.
- ZINTEL, HAROLD A.; SCHUH, FREDERIC D.  
Surgical Diseases of the Adrenal Glands. *Am. J. Gastroent.* 44:515.
- ZINTEL, HAROLD A. joint author. See: HOLT, PETER R.
- ZURIER, ROBERT B.; HASHIM, SAMI A.; VAN ITALLIE, THEODORE B.  
Effect of Medium Chain Triglyceride on Cholestyramine-induced Steatorrhea in  
Man. *Gastroent.* 49:490.  
Abolition of Cholestyramine-induced Steatorrhea by Medium Chain Triglyceride.  
*Fed. Proc.* 24:375.



# Nursing Service Department

Helen Umamo, R.N., B.S., M.A., Director

As we had anticipated, the single major project of the Nursing Service Department for 1965 was to complete plans and effect the transfer of Woman's Hospital's nursing staff to its quarters in the new Woman's Hospital building.

At the urging of Dr. William S. Norton, President of the Medical Board, and Mr. C. W. Davidson, Executive Director of the Hospital, we had included representatives from Woman's Hospital nursing staff on all major nursing service committees since 1964.

In February of 1965, a series of 26 orientation programs for Woman's Hospital nursing personnel were begun under the leadership of Miss Dorothy Reardon, Coordinator of Inservice Education. These programs were designed to introduce the various St. Luke's Department Heads as well as to review the functions and facilities of these departments.

Various routines peculiar to Nursing Service at St. Luke's were reviewed also. Two valuable results grew out of these programs. First, we grew to know each other quite well prior to the actual move. Secondly, questions were identified which needed clarification prior to the actual merger.

The first patients were received at the new Woman's Hospital on Monday, August 9, 1965. The staff of Woman's had worked hard along with several head nurses, nursing unit assistants, and Inservice people from St. Luke's during the two weeks prior to have everything in readiness for this date.

The success of their effort was apparent when, without a hitch, Baby Alvarez was born, shortly after 2:00 P.M. on August 9, 1965.



Within 24 hours, we had 15 new-born babies in the nurseries, including a set of twins.

Miss Gwendoline Collier and the staff at Woman's Hospital are much to be commended for the effort, understanding, and tolerance they put into the move.

Since August 9, 1965, we have worked as one department to solve the various problems which have arisen. Thanks to the ability and good will of all staff involved, we have found satisfactory solutions.

There were other noteworthy happenings during 1965. Following the disaster drill in May, we set up an Ad Hoc Committee to revise and simplify our part in the drill. This Committee, under the leadership of Mrs. Marcia Keyes, has done a fine job in this area.

A philosophy for the Nursing Service Department was approved by the Administrative Head Nurse Group.

The kitchen areas on Clark 5 and 6 were renovated to provide separate nursing stations for the semi-private units on these two floors. Previously, both the ward and semi-private nursing staffs had used the same station, leading to over crowding and confusion. Small nourishment units were set upon each unit. 1965 was a busy year from the point of patient occupancy. The Intensive Care Unit was very busy for the last quarter of the year. Staffing was a problem since we were unable to fill all our budgeted professional nurse positions. Increase of staff in auxiliary and practical nurse capacities helped to some degree. Nonetheless, the professional nursing staff were heavily taxed by the work load. The fact that other major hospitals in the New York area seemed to be experiencing the same problem was some small comfort.

We turned our efforts to more advertising, increasing our beginning salary, and finding ways to save nursing time previously spent in the preparation of equipment, etc.

The year was one of success and disappointments. Hopefully, the former outweighed the latter. We look forward in 1966 to new challenges and new problems—with, I am sure, some of the old ones still with us.

# Report of the St. Luke's Hospital School of Nursing

Evelyn M. Peck, R.N., B.S., M.A., Director

**T**he School of Nursing successfully completed a year of challenge and change in 1965. Both the Director and the faculty wish to express their gratitude to their many partners in progress whose confidence and assistance were so helpful during this school year.

Much of our staff work was in the area of planning, the fruits of which will be harvested in the education of new generations of nurses. Substantial study has been given to the possibility of changing the second school year to create terms of 16 weeks in order that semesters may be equal throughout the student's entire program. Plans were made to conduct a total evaluation of the school program in September 1966.

Ninety seven young women entered the School as freshmen last year and the average enrollment was 229. Seventeen hundred twenty nine inquiries by prospective students were answered by the Registrar. In June, 63 members of the Class of 1967 received their caps and 75 new nurses were graduated at commencement exercises at the Cathedral Church of St. John the Divine on September 9. Lord Carodon, Permanent United Kingdom Representative to the United Nations delivered the commencement address.

From September, the faculty, in correlation with student theoretical learning, planned, assigned, instructed, supervised and evalu-

ated all clinical nursing experiences in the program, thus completing curriculum changes approved two years ago.

Dr. Benjamin Rosner and Mrs. Miriam Bryam of the Educational Testing Service in Princeton, New Jersey presented a program in test construction, analysis and evaluation for the faculty In-Service Program.

The physical plant, too, received attention as we prepared to convert the Nurses' Residence from DC to AC current.

Fifty nine scholarships were established through the generosity of friends. 24 students received New York State Regents scholarships and 5 scholarships were granted at high school graduations by local community agencies. The Woman's Florist Association of New York again gave 2 scholarships and 9 uniform scholarships were granted.

Seventeen faculty members attended a total of thirty two professional meetings as well as local, state, regional and national meetings of professional organizations.

The faculty is continuing to plan for the educational program in light of the current philosophy of professional nurse preparation.

**Officers of the  
Department of Nursing  
St. Luke's Hospital Center**

*Director, Nursing Service:*

Umano, Helen, R.N., B.S., M.A.

*Associate Director, Nursing Service:*

Backus, Joan, R.N., B.S., M.A.

*Assistant Director, Nursing Service*

*Obstetrics and Gynecology:*

Collier, Gwendoline, R.N., B.S.

*Assistant Director, Nursing Service*

*Private Pavilion:*

Fitzpatrick, Myrtle W., R.N.

*Assistant Director Staffing:*

Jennings, Eileen, R.N.

*Assistant Director, Nursing Service*

*Operating Rooms:*

Pereira, Hilda, R.N., B.S.

*Administrative Assistant,*

*Auxiliary Personnel:*

Hunt, Anne, R.N., B.S., M.A.

*Coordinator,*

*Exchange Visitor Program:*

Keyes, Marcia, R.N., B.S., M.A.

*Coordinator,*

*Inservice Education:*

Reardon, Dorothy, R.N., B.S.

*Administrative Supervisor,*

*Nursing, Evening:*

Moor, Dorothy, R.N.

*Administrative Supervisor,*

*Nursing, Night:*

Jacoby, Louise, R.N.

*Arnott, Mary, R.N.*

*Assistant Supervisor of Nursing,*

*Private Patients*

*Benford, Helen, R.N.*

*Head Nurse, EENT Patients*

*Bennetta, Linda, R.N., B.S.*

*Head Nurse, Private Patients*

*Billings, Janet, R.N.*

*Assistant Supervisor, Nursing, Evenings*

*Bottinger, Dorothy, R.N.*

*Head Nurse, Surgical Ward Patients*

*Buffa, Bernice, R.N.*

*Instructor, Operating Room,*

*Exchange Visitors*

*Cacace, Sandra, R.N.*

*Head Nurse, Medical Patients*

*Cheu, Cynthia, R.N.*

*Supervisor, Psychiatric Patients*

*Carroll, Sara, R.N.*

*Head Nurse, Semi-Private Patients*

*Clayton, Dolores, R.N.*

*Assistant Supervisor*

*of Nursing, Night*

*Coates, Jeanne, R.N.*

*Head Nurse, Surgical Patients*

*Coffman, Arden, R.N.*

*Assistant Supervisor of Nursing,*

*Evening*

*Conroy, Katherine, R.N.*

*Head Nurse, Private Patients*

*Cooper, Velda, R.N.*

*Assistant Administrative*

*Supervisor, Evening*

*Daury, Marie, R.N.*

*Head Nurse, Pediatrics,*

*Medical and Nursery Patients*

*Deakin, Mary, R.N.*

*Head Nurse, Gynecological*

*Recovery Room*

*Dietz, Ruth, R.N., B.S.*

*Supervisor, Special Surgery*

*Eckert, Nancy, R.N.*

*Head Nurse, Medical Patients*

*Edwards, Barbara, R.N.*

*Assistant Supervisor*

*of Nursing, Evening*

- Essenfeld, Margaret, R.N.  
*Assistant Supervisor  
of Nursing, Private Patients*
- Feihn, Carol, R.N.  
*Head Nurse, Medical Patients*
- Fyfe, Jean, R.N.  
*Head Nurse, Semi-Private Patients*
- Gidley, Leena, R.N.  
*Assistant Coordinator, Inservice*
- Gobert, Adele, R.N.  
*Head Nurse, Private Obstetrics*
- Goldberg, Renee, R.N.  
*Assistant Supervisor  
of Nursing, Evening*
- Gonzalez, Maria, R.N.  
*Head Nurse, Private Gynecology*
- Grapel, Nancy, R.N.  
*Assistant Supervisor  
of Nursing, Night*
- Hanna, Patricia, R.N.  
*Head Nurse,  
Orthopedic Ward Patients*
- Hanson, Joan, R.N., B.S.  
*Assistant Supervisor,  
Operating Room*
- Haslup, Martha W., R.N., B.S., M.A.  
*Supervisor, Medical Services*
- Hausaman, Ethel, R.N.  
*Head Nurse, Private Patients*
- Havinga, Johanna, R.N., B.S., M.A.  
*Supervisor, Nurseries*
- Huffman, Nina, R.N.  
*Head Nurse, Semi-Private Patients*
- Javier, Felicidad, R.N., B.S., M.A.  
*Supervisor, Gynecology*
- Jones, Elizabeth, R.N.  
*Head Nurse,  
Surgical Ward Patients*
- Lawrence, Averil, R.N.  
*Supervisor, Operating Rooms*
- Lopes, Cynthia, R.N., B.S.  
*Assistant Supervisor  
of Nursing, Night*
- Lopez, Angela, R.N.  
*Head Nurse, Delivery Room*
- Mannier, Marianne, R.N.  
*Head Nurse, Urology Patients*
- Martin, Leona, R.N.  
*Head Nurse, Private Nurseries*
- Mawhinney, Patricia, R.N., B.S.  
*Assistant Supervisor of Nursing, Evening*
- McGonagle, Grace, R.N.  
*Head Nurse, Semi-Private Patients*
- Merboth, Lynne, R.N.  
*Assistant Supervisor  
of Nursing, Night*
- Menzel, Barbara, R.N.  
*Head Nurse, Intensive Care Unit*
- Minnaman, Susan, R.N.  
*Head Nurse, Metabolic Patients*
- Morgan, Dorothy, R.N.  
*Head Nurse, Ward Gynecology Patients*
- Newnham, Eleanor, R.N.  
*Assistant Supervisor  
of Nursing, Evening*
- Oothout, Gertrude, R.N.  
*Head Nurse, Semi-Private Patients*
- Ormsby, Bettye, R.N.  
*Head Nurse, Ward Nurseries*
- Pearce, Edith, R.N., B.S.  
*Head Nurse, Recovery Room*
- Perkins, Mary, R.N., B.A.  
*Supervisor, Day Relief*
- Quann, Barbara, R.N.  
*Head Nurse, Emergency Room*
- Ramsay, Annie, R.N.  
*Head Nurse, Private Patients*
- Ruffin, Lula, R.N., B.S., M.A.  
*Supervisor of Obstetrics*

Savage, Lois, R.N.  
*Assistant Coordinator, Exchange Visitors*

Sears, Marjorie, R. N.  
*Head Nurse, Private Patients*

Sinclair, Margaret, R.N.  
*Assistant Supervisor of Nursing, Night*

Spence, Phyllis, R.N.  
*Head Nurse, Ward Obstetrical Patients*

Stroosnyder, Elsie, R.N.  
*Head Nurse, Private Patients*

Sudol, Lorraine, R.N., B.S.  
*Supervisor, Surgical Patients*

Tames, Brenda, R.N.  
*Head Nurse, Semi-Private Patients*

Tugwell, Sandra, R.N.  
*Head Nurse, Columbia University  
 Infirmary*

Von Gal, Marise, R.N.  
*Head Nurse, Premature Nursery*

Wallace, Cynthia, R.N.  
*Supervisor, Pediatrics*

Weisberger, Margaret, R.N.  
*Head Nurse, Psychiatric Patients*

Wolfe, Susanne, R.N., B.S.  
*Head Nurse, Semi-Private Patients*

Zeilman, Helen, R.N.  
*Head Nurse, Pediatric, Surgical and  
 Semi-Private Patients*

Zick, Evelyn, R.N.  
*Assistant Supervisor of Nursing, Night*

**Faculty and  
Administrative Staff  
St. Luke's Hospital  
School of Nursing—1966**

*Director:*

Evelyn M. Peck, R.N., B.S., M.A.

*Associate Director:*

Frances Lee Avella, R.N., B.S., M.A.

Vivian J. Ahl, R.N., B.S., M.A.

*Instructor, Non-Clinical Nursing,  
Coordinator Community Activities*

Billie Arbuckle, R.N., B.S.

*Nursing Instructor*

Myra S. Balinson, B.S., M.A.

*Clinical Psychologist and  
Psychology Instructor*

Eleanor C. Ballard, R.N., B.S.

*Assistant Nursing Instructor*

Barbara A. Buczny, R.N.

*Assistant Nursing Instructor*

Agnes J. Brown, R.N., B.S., M.A.

*Nursing Instructor*

Ruth Dittmar, B.A., R.N., M.A., M.S.

*Science Instructor*

Anne E. Dondero, R.N., B.S.

*Instructor, Maternal and Child Health*

Carmen C. Dorado, R.N., B.S., M.A.

*Nursing Instructor*

Helen Ferguson, R.N., A.A.

*Assistant Nursing Instructor, Night*

Dolores A. Fernandez, B.S., R.N., B.S., M.S.

*Science Instructor*

Harriett Knowlton, R.N., B.S.

*Instructor, Maternal and Child Health*

Margaret Kozlowski, R.N.

*Operating Room Instructor*

Mary S. Lannon, R.N., B.A., M.S.  
*Supervisor, Student Health Service*

Alice M. Martin, R.N., B.S., M.A.  
*Science Instructor*

Carolyn A. McChesney, R.N., B.S.N.  
*Assistant Nursing Instructor  
Maternal and Child Health*

Mary Ann M. Mihm, R.N., B.S.  
*Assistant Nursing Instructor*

Joan Valerie Munroe, R.N.  
*Assistant Nursing Instructor*

Carol Pieper, B.S.  
*Social and Recreational Director*

Jeannine Rabinowitz, B.S.  
*Teaching Nutritionist*

Jack Sacher, A.B., M.A., Ed.D.  
*Director, Musical Activities*

Ruth S. Saddlemire, R.N.  
*Assistant Nursing Instructor, Evening*

Virginia E. Scherer, B.S., M.P.S.  
*Registrar*

Julianne Scott, R.N., B.S.  
*Assistant Nursing Instructor  
Maternal and Child Health*

Carole R. Snyder, R.N., B.S.  
*Assistant Nursing Instructor*

Gladys E. Swenson, B.A.  
*Librarian*

Patricia A. Tumminia, R.N., B.S.  
*Assistant Nursing Instructor*

Hilda K. Titus, R.N., B.S.  
*Assistant Nursing Instructor*

Carrie C. Wacker, B.S., R.N.  
*Nursing Instructor*



### Alumnae Association of St. Luke's Hospital School of Nursing—1966

*President:*  
Cynthia J. Wallace

*Treasurer:*  
Ruth Dittmar

*Vice-President:*  
Marilyn Oberst

*Corresponding Secretary:*  
Barbara Menzel

*Recording Secretary:*  
Lois Flegenheimer

*Assistant Treasurer:*  
The Hanover Bank

### Woman's Hospital Nurses' Alumnae Association, Inc.

*President:*  
Mrs. George H. Cobham

*Secretary:*  
Jane McCabe

*Vice President:*  
Mrs. James Corbett

*Treasurer:*  
Mrs. Joseph M. Grohol

### Society of the Alumni of St. Luke's Hospital

*President:*  
Francis G. Geer, M.D.

*Secretary:*  
Charles G. Adsit, Jr., M.D.

*Vice-President:*  
F. Stafford Wearn, M.D.

*Treasurer:*  
Eugene L. Hoch, M.D.

### Woman's Hospital Society

*President:*  
Haig Carapetyan, M.D.

*Secretary:*  
Esther M. Ward, M.D.

*Vice President:*  
Bernard N. Nathanson, M.D.

*Treasurer:*  
Stuart Oster, M.D.



MONROE

# Auditors' Report

To the Board of Trustees  
St. Luke's Hospital Center  
New York, New York

We have examined the balance sheet of St. Luke's Hospital Center as of December 31, 1965, and the related statement of changes in fund balances and statement of income and expense for the year then ended. Our examination was made in conformity with generally accepted auditing standards and accordingly included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances.

All securities owned by the Hospital Center at December 31, 1965 were held by the Manufacturers Hanover Trust Company as custodian, and income from interest, dividends and rents for the year under review are stated as shown in the records of the custodian.

Income for the year 1965 includes \$234,906.34 representing the capital cost allowance received from the Associated Hospital Service of New York. In the year 1964, the capital cost allowance of \$243,582.17 was excluded from income and credited directly to the Blue Cross fund for capital costs.

In our opinion, subject to the foregoing, the accompanying balance sheet, statement of changes in fund balances and statement of income and expense, together with footnotes, fairly present the financial position of St. Luke's Hospital Center at December 31, 1965 and the results of its operations for the year then ended, in accordance with generally accepted accounting principles applied on a basis which is consistent with that of the preceding year except for the aforementioned change in the method of recording the capital cost allowance, which change meets with our approval.

MacNICOL, JOHNSON & CO.  
Certified Public Accountants

New York, N. Y.  
May 4, 1966

# St. Luke's Hospital Center

Comparative Balance Sheet as of December 31, 1965

		ASSETS	
General Fund	December 31, 1965	December 31, 1964	
Cash in banks and on hand (Schedule A-1)	\$ 61,653.69	\$ 152,400.30	
Accounts receivable:			
Due from patients	\$ 3,329,617.91	\$ 2,504,296.62	
Less: Allowance for uncollectible accounts	654,600.72	582,339.46	
Due from patients—net	2,675,017.19	1,921,957.16	
Due from Blue Cross plans	321,695.51	280,341.51	
Due from City of New York	504,461.45	460,498.98	
Miscellaneous accounts receivable	162,806.98	83,414.62	2,746,212.47
Investments (Schedule A-2)	50,301.57	12,289.75	
Inventories of supplies	253,287.12	279,468.83	
Prepaid expenses	121,139.56	132,995.64	
Construction and plant rehabilitation in progress	599,954.85	113,702.90	
<b>Total</b>	<b>\$ 4,750,317.92</b>	<b>\$ 3,437,069.89</b>	
<b>Unrestricted Reserve Fund</b>			
<b>St. Luke's Hospital:</b>			
Cash in bank (Schedule A-1)	\$ 31,660.14	\$ 157,980.71	
Investments (Schedule A-2)	3,239,813.92	3,389,862.25	\$ 3,547,842.96
<b>Woman's Hospital:</b>			
Cash in bank (Schedule A-1)	\$ 79,841.61	443,404.88	
Investments (Schedule A-2)	1,241,759.09	1,061,205.45	
Due from Dual Century Fund	1,955,000.00	1,550,000.00	3,054,610.33
<b>Total</b>	<b>\$ 6,548,074.76</b>	<b>\$ 6,602,453.29</b>	
<b>Endowment Funds</b>			
<b>St. Luke's Hospital:</b>			
General and Restricted Endowment Funds:			
Cash in bank (Schedule A-1)	\$ 141,056.44	\$ 71,629.77	
Investments (Schedule A-2)	22,624,744.50	22,244,294.16	
<b>Total</b>	<b>22,765,800.94</b>	<b>22,315,923.93</b>	
Less: Temporary funds' undivided interest	384,225.86	347,841.48	\$21,968,082.45
<b>Total</b>	<b>\$22,381,575.08</b>	<b>\$21,968,082.45</b>	
<b>Memorial Funds:</b>			
The A. Van Horne Stuyvesant			
Cash in bank (Schedule A-1)	\$ 25,624.62	\$ 2,021.03	
Investments (Schedule A-2)	5,951,770.26	5,713,019.94	
Building and equipment—Stuyvesant Pavilion (less accumulated depreciation) (Schedule A-4)	2,775,520.36	2,884,122.28	8,599,163.25
<b>Total</b>	<b>\$8,752,915.24</b>	<b>\$8,599,163.25</b>	
<b>Woman's Hospital:</b>			
General and Restricted Endowment Funds:			
Cash (Schedule A-1)	\$ 6,293.70	\$ 11,508.79	
Investments (Schedule A-2)	2,245,034.75	2,017,934.19	
<b>Total</b>	<b>2,251,328.45</b>	<b>2,029,442.98</b>	
Less: Temporary funds' undivided interest	20,728.08	18,685.18	2,010,757.80
<b>Total</b>	<b>\$2,230,600.37</b>	<b>\$2,010,757.80</b>	
<b>Temporary Funds for Designated Purposes</b>	<b>\$33,365,090.69</b>	<b>\$32,578,003.50</b>	
<b>St. Luke's Hospital:</b>			
Cash in bank (Schedule A-1)	\$ 170,607.16	\$ 819,662.49	
Investments (Schedule A-2)	239,774.27	229,231.61	
Undivided interest in Endowment Funds assets	384,225.86	347,841.48	
Due from General Fund	1,100,000.00	300,000.00	\$ 1,696,735.58
<b>Woman's Hospital:</b>			
Cash in bank (Schedule A-1)	79,157.79	56,152.20	
Undivided interest in Endowment Funds assets	20,728.08	18,685.18	74,837.38
<b>Total</b>	<b>\$ 1,994,493.16</b>	<b>\$ 1,771,572.96</b>	
<b>Dual Century Fund</b>			
Cash in banks (Schedule A-1)	\$ 934,797.73	\$ 404,327.99	
Investments (Schedule A-2)	640,397.51	37,009.12	
Pledges receivable	588,034.37	650,007.78	
Construction in progress	654,191.08	6,528,532.12	
<b>Total</b>	<b>\$ 2,817,420.69</b>	<b>\$ 7,619,877.01</b>	
<b>Plant Fund</b>			
<b>St. Luke's Hospital:</b>			
Cash in bank (Schedule A-1)	\$ 2,995.03	\$ 8,554.05	
Investments (Schedule A-2)	975,000.00	930,156.25	
Hospital properties and equipment (less accumulated depreciation) (Schedule A-4)	10,832,252.25	10,764,599.52	\$11,703,309.82
<b>Woman's Hospital:</b>			
Cash in bank	—	134,412.45	
Deferred legal fee	—	12,658.62	
Hospital properties and equipment (less accumulated depreciation) (Schedule A-4)	8,347,695.93	996,782.74	\$ 1,143,853.81
<b>Total</b>	<b>\$20,157,943.21</b>	<b>\$12,847,163.63</b>	
<b>TOTAL ASSETS</b>	<b>\$69,633,340.43</b>	<b>\$64,856,140.28</b>	

Note: No determination has yet been made with respect to any retroactive rate adjustment which may be due from the Associated Hospital Service of New York for services to Blue Cross plan subscribers admitted during 1965. Therefore, the amount due from Blue Cross plans, as shown in the foregoing statement, does not include any accrual of additional amounts applicable to 1965 which may be received in 1966.

# Balance Sheet

and December 31, 1964

C1

## LIABILITIES AND FUND BALANCES

December 31, 1965

December 31, 1964

### General Fund

Accounts payable	\$ 627,019.53	\$ 473,835.58
Accrued salaries payable	310,924.22	284,178.35
Payroll taxes withheld and accrued	167,264.95	167,143.50
Due to Temporary Funds for Designated Purposes	1,100,000.00	300,000.00
Other liabilities	89,363.82	91,559.48
<b>Total Liabilities</b>	<b>\$ 2,294,572.52</b>	<b>\$ 1,316,716.91</b>
Unexpended balance of The Ford Foundation grant (Exhibit B)		15,713.14
Reserve for special appropriations (Schedule B-1)	651,778.19	21,470.39
General Fund balance (Schedule B-2)	1,803,967.21	2,083,169.45
<b>Total</b>	<b>\$ 4,750,317.92</b>	<b>\$ 3,437,069.89</b>

### Unrestricted Reserve Fund Principal

St. Luke's Hospital (Schedule B-3)	\$ 3,271,474.06	\$ 3,547,842.96
Woman's Hospital (Schedule B-3)	3,276,600.70	3,054,610.33
<b>Total</b>	<b>\$ 6,548,074.76</b>	<b>\$ 6,602,453.29</b>

### Endowment Funds

#### St. Luke's Hospital

General Endowment Funds principal (Schedules B-4, B-5)	\$12,263,001.81	\$12,040,013.48
Restricted Endowment Funds principal (Schedules B-6, B-7)	10,118,573.27	9,928,068.97
The A. Van Horne Stuyvesant Memorial Fund principal (Exhibit B)	8,752,915.24	8,599,163.25

#### Woman's Hospital:

General Endowment Funds principal (Schedules B-4, B-5)	\$ 1,953,464.22	\$ 1,760,935.53
Restricted Endowment Funds principal (Schedules B-6, B-7)	277,136.15	249,822.27
	\$ 2,230,600.37	\$ 2,010,757.80

### Temporary Funds for Designated Purposes

#### St. Luke's Hospital:

Unexpended income from Restricted Endowment Funds (Schedule B-8)	\$ 316,901.94	\$ 233,066.87
Unexpended donations for designated purposes (Schedule B-9)	1,577,705.35	1,463,668.71
	\$ 1,894,607.29	\$ 1,696,735.58

#### Woman's Hospital:

Unexpended income from Restricted Endowment Funds (Schedule B-8)	28,260.75	12,505.60
Unexpended donations for designated purposes (Schedule B-9)	71,625.12	62,331.78
	99,885.87	74,837.38
<b>Total</b>	<b>\$ 1,994,493.16</b>	<b>\$ 1,771,572.96</b>

### Dual Century Fund

Accounts payable	\$ 539,595.45	
Due to Unrestricted Reserve Fund	1,955,000.00	\$ 1,550,000.00
Due Century Fund reserve (Schedule B-10)	322,825.24	6,069,877.01
<b>Total</b>	<b>\$ 2,817,420.69</b>	<b>\$ 7,619,877.01</b>

### Plant Fund

#### St. Luke's Hospital:

Loan payable	\$ 475,000.00	\$ 500,000.00
Plant Capital (Schedule B-12)	11,335,247.28	11,203,309.82

#### Woman's Hospital:

Deposit on sale of property		87,500.00
Blue Cross Fund for Capital Costs (Schedule B-11)		134,412.45
Plant Capital (Schedule B-12)	8,347,695.93	921,941.36
<b>Total</b>	<b>\$20,157,943.21</b>	<b>12,847,163.63</b>

### TOTAL LIABILITIES AND FUND BALANCES

\$69,633,340.43	\$64,856,140.28
-----------------	-----------------

# St. Luke's Hospital Center

## Comparative Statement of Income and Expenses for the Years Ending December 31, 1965 and December 31, 1964

	1965	1964
<b>Net Operating Income</b> .....	\$13,475,956.30	\$12,249,398.64
<b>Operating Expenses</b>		
Salaries, wages and fees .....	11,628,909.23	10,865,006.43
Supplies, expenses and food .....	4,717,939.94	4,475,375.59
Recovery of expenses (deducted) .....	(293,786.99)	(298,438.82)
<i>Net Operating Expenses</i> .....	<u>16,053,062.18</u>	<u>15,041,943.20</u>
<i>Net Operating Loss</i> .....	<u>2,577,105.88</u>	<u>2,792,544.56</u>
<b>Supplementary Income</b>		
Income from Investments of:		
General Endowment Fund .....	844,438.26	773,047.48
Unrestricted Reserve Fund .....	277,067.77	283,787.50
The A. Van Horne Stuyvesant Memorial Fund .....	317,602.49	316,009.01
Unexpended donations for designated purposes .....	3,496.29	3,865.47
Income from various trusts estates .....	97,072.32	81,758.74
United Hospital Fund .....	44,059.00	33,379.00
Greater New York Fund .....	72,168.00	52,982.00
Appropriated from temporary funds for designated purposes .....	433,468.47	292,139.63
Appropriated from unexpended special appropriations .....	88,368.93	164,647.43
Donations for general purposes .....	196,214.77	189,480.96
Annual subscription for support of beds .....	12,500.00	12,500.00
Hospitality Shop, net profit (loss) .....	(19,386.96)	(7,363.26)
Net profit (or loss) on sale of securities .....	25.25	169.05
Social Service Department Income:		
Appropriated from temporary funds for designated purposes .....	29,583.06	27,327.97
United Hospital Fund .....	4,258.00	4,485.00
Greater New York Fund .....	13,884.00	21,101.00
Donations, dues and miscellaneous .....	19,211.43	15,225.99
<b>Total Supplementary Income</b> .....	<u>2,434,031.08</u>	<u>2,264,542.97</u>
<b>Profit (or Loss) Before Provision for Depreciation</b> .....	<u>(143,074.80)</u>	<u>(528,001.59)</u>
<b>Provision for Depreciation</b>		
Depreciation of buildings .....	339,231.15	340,867.17
Depreciation of equipment .....	335,009.28	265,522.44
<i>Total Provision for Depreciation</i> .....	<u>674,240.43</u>	<u>606,389.61</u>
<i>Excess of Expenses over Income for the Year</i> \$ .....	<u><u>817,315.23</u></u>	<u><u>\$ 1,134,391.20</u></u>



# St. Luke's Hospital Center

## Condensed Statement of Income and Expenses for the Year Ended December 31, 1965

<b>Operating Income</b>	1965
Private patients .....	\$ 2,952,356.47
Semi-private patients .....	4,707,219.33
Ward patients .....	4,555,348.00
Newborn infants .....	216,348.12
Referred patients .....	270,455.70
Outpatients .....	734,316.53
Home care patients .....	10,409.20
<i>Income from patients</i> .....	<u>\$13,446,453.35</u>
Deduct—Provision for uncollectible accounts .....	294,000.00
<i>Net income from Patients</i> .....	<u>\$13,152,453.35</u>
<b>Other Operating Income</b>	
Training school fees .....	\$ 52,379.04
Recoveries of accounts written off .....	17,190.68
Discount on purchases .....	27,641.11
Sales of materials, supplies and scrap .....	21,881.92
Rents and commissions .....	25,804.54
Services charged to research grants .....	159,041.61
Miscellaneous .....	19,564.05
<i>Total Other Operating Income</i> .....	<u>\$ 323,502.95</u>
<i>Net Operating Income</i> .....	<u>\$13,475,956.30</u>
<b>Operating Expenses</b>	
Professional care of patients—general and nursing .....	\$ 5,288,441.68
Special Service departments .....	2,901,010.17
Out-patient department .....	540,931.57
Social Service department .....	182,907.57
Dietary department .....	1,522,722.73
Housekeeping department .....	698,811.22
Laundry and linen room .....	511,413.28
Maintenance of personnel .....	282,117.75
Maintenance and operation of plant and general equipment .....	1,449,412.58
Administration and general .....	2,969,080.62
Recovery of expenses (deducted) .....	(293,786.99)
<i>Net Operating Expenses</i> .....	<u>\$16,053,062.18</u>
<i>Net Operating Loss</i> .....	<u>\$ 2,577,105.88</u>
<b>Supplementary Income</b> .....	<u>2,434,031.08</u>
Loss Before Provision for Depreciation .....	<u>\$ 143,074.80</u>
<b>Provision for Depreciation</b>	
Depreciation of buildings .....	\$ 339,231.15
Depreciation of equipment .....	335,009.28
<i>Total Provision for Depreciation</i> .....	<u>\$ 674,240.43</u>
<b>Excess of Expenses Over Income for the Year</b> .....	<u><u>\$ 817,315.23</u></u>





## Our Benefactors . . .

The following pages list the names of many of the generous friends of the Hospital Center who have contributed to the support of the various special needs of St. Luke's and Woman's. Benefactors of one hundred dollars or more are listed by name. While space does not permit the listing of the 2,440 contributors of smaller amounts, our appreciation is nonetheless great. That the Hospital Center has been able to maintain its high standards of patient care is due largely to the continued interest and loyalty of all contributors. The Board of Trustees, on behalf of the professional staffs and all the Hospital Center personnel gratefully acknowledges this financial assistance.

### Gifts for General Purposes-1965

Gifts of \$1,000 and Over . . . . .	45
Gifts of \$500 to \$1,000 . . . . .	18
Gifts of \$200 to \$500 . . . . .	24
Gifts of \$100 to \$200 . . . . .	86
Gifts of \$50 to \$100 . . . . .	73
Gifts Under \$50 . . . . .	1,649
<hr/>	
Total Number of Donations . . . . .	1,895
Total Amount Contributed . . . . .	\$148,910.39

## Memorial Gifts

### GIFTS WERE GIVEN IN MEMORY OF THE FOLLOWING:

Mr. Domenick Alcaro  
Mr. Joseph Dana Allen  
Mr. Ralph M. Arkush  
Mrs. F. Huntington Babcock  
Mr. Beverly Chew Barstow  
Mr. Bernard M. Baruch  
Mrs. Marian Mason Bell  
Mrs. George Berger  
Miss Maria Berkarie  
William H. Berry, M.D.  
Mr. Russ Berthel  
Mr. Lemuel Biglow  
Mrs. Louise Berenson Biow  
Miss Elizabeth Black  
Mr. Edward S. Blagden  
Mrs. Arlene Wilson Blake  
Mr. H. Batterson Boger  
Mr. and Mrs. Antonio Bullosa  
Mr. Oscar F. Bravo  
Mr. Arthur H. Bunker  
Gaston A. Carlucci, M.D.  
Miss Grace Clarkson  
Miss Bridget Clifford  
Reginald Conklin, M.D.  
Miss Edith Crawley  
Mr. and Mrs. Lincoln Cromwell  
Mr. Arthur DeNatale  
Mrs. Edward J. Dudley  
Miss Ann Fielding  
Miss Katherine J. Fray  
W. Guernsey Frey, M.D.  
Lloyd H. Gaston, M.D.  
William A. Geohegan, M.D.  
W. H. Glafke, M.D.  
Mr. Isidore Gottlieb  
Miss Nell Grant  
Mr. Wheadon Grant  
Miss Janet Gustafson  
Mrs. Harry Hagarty  
Mrs. Arthur C. Hallan  
Mr. Harold Halstead  
Rev. Alexander Harpas  
Mr. Milton S. Harrison  
Mr. Isidor Hochman  
Mr. Albert Hopeman  
Miss Jane Humphreys

Wesley Hunt, M.D.  
Mrs. Pauline Jordan  
John H. Keating, Sr., M.D.  
Miss Keller  
Mr. Stephen T. Kelsey  
Dr. Laura H. V. Kennon  
Mr. Frederick Ketterer  
Frederick Knowles, M.D.  
Mrs. Emma M. Knowlton  
Miss Alma Konski  
The Rev. Floyd S. Leach  
Mrs. Marion A. Lemon  
Mr. Jose Machado, Jr.  
Mr. Cedric Major  
W. J. M. A. Maloney, M.D.  
Mr. Lloyd O. V. Mann  
Mr. John Quincy Martin, Jr.  
Miss Margaret McAllister  
Mrs. Edith Gilbert Fincke McClain  
Mr. McCracken  
Mrs. Mae McGuire  
Mr. Virgil Millett  
Harold R. Mixsell, M.D.  
Mrs. Margaret Moran  
Miss Asenath Mosso  
Prof. John M. Nelson  
Mrs. Anna Newman  
Mrs. Nathaniel R. Norton  
Mrs. Novack  
Mr. George T. Overholt  
Capt. David C. Patterson  
Mrs. Leonie Penin  
Miss Karen Powers  
Miss Margaret D. Reid  
Mr. J. Gould Remick  
Mrs. Edward Ricca  
Mrs. Margherita D. Rizzo  
Mr. William A. Robins  
Beverley Robinson, M.D.  
Mr. Robert H. Roughside  
Mrs. Anna Salinbena  
Mr. Arthur Schmitt  
Mr. Frazer V. Sinclair  
Mr. and Mrs. Christopher D. Smithers  
James M. Smith, M.D.  
Mrs. Robert F. Solley

Mr. Joseph B. Sommer  
Miss Emily E. Steedman  
Mrs. John E. Stevens  
Mrs. Andrew V. Stout  
Miss Lillian Strohmeier  
Mr. Geoffrey Tang  
Mrs. John M. Tepfer  
Mrs. Helena Tittmann  
Mrs. Louise Bye Twombly  
Mrs. Adrienne Vanderbilt  
Mr. LeRoy Van Hoesen, Sr.  
Mrs. Carl L. Vietor  
Mrs. Jane D. Wallen

Mr. Arthur Walters  
Mrs. Jerome P. Webster  
Mrs. Clyde Weldin  
Mr. Sanel Weichselbaum  
Mr. Solomon Weindling  
Mr. Henry Weisenfeld  
Mr. Robert Wellington  
Mrs. Helen A. West  
Mrs. Bertha Wilhelm  
Frederick H. Wilke, M.D.  
Mr. and Mrs. Andrew Wilson  
Mrs. Myron Wright, Sr.

# Contributors to General and Special Funds 1965

## **\$1,000 and Over**

Ackerman Memorial Fund, G. A.	Grace, Mrs. W. R.
Alexander, Mr. Douglas H.	Grant Foundation, Inc.
American Cancer Society	Greene, Orland S. and Frances S.
American Heart Association	(through New York Community Trust)
Altman Foundation	Guthrie, Mr. Henry B.
Anonymous (4)	Hallan, Mr. Arthur
Arthritis and Rheumatism Foundation, Inc.	Halsey, Mr. Van R.
Baird and Company	Hartford Foundation, Inc., John A.
Baker, Mr. J. Stewart	Health Research Inc.
Ballard Medical Research Fund, Edward L.	Hill, Mrs. Nathaniel
Bingham, Jr., Mr. Harry P.	Hoffman-LaRoche, Inc.
Bingham, Mrs. Harry Payne	Holloway, Mrs. William G.
Blagden, Mrs. A. S., Jr.	Holmes Foundation, Inc.
Bostwick, Mr. Albert C.	Ives Laboratories
Chilton, Mr. Roland	Kaye, Estate of Elsie D.
Christal, Mr. Henry I.	Leeming, Mr. Leonard B.
Church Committee	Leland Trust for Charitable Purposes, Maude A.
Clemens Fund, Inc. Marie Heye	Levin, Mr. and Mrs. Nathan W.
Coe, Mr. George V.	Lipton Foundation, Inc., Thomas J.
Coleman, Mr. John A.	Lloyd Brothers
Corey, Mrs. Alan L., Jr.	McKim, Mr. Robert J.
Cromwell, Mr. Jarvis	Major Foundation
Crouse, Mr. and Mrs. Russel	March Foundation, Inc.
Cushman, Mr. Paul	Martin, Mrs. John Quincy
Darling Family Foundation, Herbert F.	Merck and Company, Inc.
Dominick, Richard B., M.D.	Merck, Sharp & Dohme Research Laboratories
Draper, John, M.D.	Merrill Trust, Charles E.
Eberstadt, Mr. and Mrs. F.	Michalis, Mr. Clarence G.
Farrell Foundation	Milbank Foundation, Inc., Dunlevy
Fincke, Mrs. Reginald	Miller, Mrs. Danforth
Finby, Nathaniel, M.D.	Minor, Mr. Clark H.
Garvan, Mrs. Francis P.	Mixsell, Mrs. Harold A.
Garver, Mr. Chauncey B.	New York Heart Association
Geffen Foundation, Inc., Florence and Maxwell	New York Tuberculosis and Health Association
Geigy Pharmaceuticals	Norfleet, Miss Grizzelle M.
Geigy Chemical Corporation	Nutrition Foundation, Inc.
Giblin, Mrs. Walter	Paine, Mrs. A. G.
Gifford, Mrs. C. C.	Parker Charitable Trust, The Minnie
Goelet, Mr. Robert	Pfeiffer Research Foundation, Gustavus and Louise
Goldsmith Trust, Carolyn Lathrop	Phipps Family Foundation, Howard
Grace Institute of New York	



Planned Parenthood of Manhattan  
and the Bronx

Prentice, Mrs. Clarence C.

Readers Digest Association, Inc.

Riker, Mrs. Mary J.

St. Andrew's Convalescent Hospital

Schieffelin, Mr. William Jay

Schweckendieck Trusts, Edith M.

Scott Trust, George H.

Scott Foundation, Walter

Scoville, Miss Edith

Shields, Mr. Richard

Singer, Mrs. G. Harton

Smith, Mrs. Herbert J.

Smithers Foundation, Inc.,

Christopher D.

Snyder Fund, Valentine Perry

Squibb Institute

Special Dairy Industry Board

Stetson, Mrs. Eugene W.

Stevens, Mr. John E.

Stony Wold Corporation

Stout, Mr. A. Varick

Stout, Mr. Gardner D.

Strasburger Memorial Medical

Foundation, The Irwin

Stubbs, Mr. Merrill

Switzer Foundation

Swords, Mr. and Mrs. Jacquelin A.

Talcott Fund, Inc., James

Thomas, Samuel F., M.D.

Treadwell, Brigadier and

Mrs. John W. F.

Trinity Church

Vander Poel, Mr. and Mrs. W. H.

Walker Fund, Louise and D. D.

Waters, Mr. and Mrs. Robert H.

West, Miss Marion

Whitehall Foundation, Inc.

Whitney, Mr. Thomas P.

Whiton, Mr. Herman F.

Whitridge, Mr. and Mrs. Arnold

Wiener, Jerry, M.D.

Blank, Mr. Robert

Carlisle and Jacquelin, Partners of

Case, Robert B., M.D.

Cummings, Mr. and Mrs. Dexter

Dominick, Mr. Bayard

Fraser, Robert W., M.D.

French, Mrs. Joan R.

Harrower, Mrs. Helen H.

Hartley Corporation

Hirsch, Mr. Jules

International Business Machines, Inc.

Iselin-Jefferson Foundation

Klee, Mr. David

Kuehn, Mr. C. C.

Landfield, Mr. Sander

Lord Foundation, Mary

Markle, Mrs. Nancye

Mathews, Mr. Hiram A.

McClarity, Mr. Harry C.

Mead Johnson & Co.

Melling, Miss Marjorie

Monaghan, Mr. Joseph F.

Morgan, Mr. and Mrs. William

Morgenstern, Mr. and Mrs. Morris

Newton, Mr. Maurice

Noble Foundation, Edward John

Oaklawn Foundation

Reese, Mr. Willis L. M.

Riverside Church

Rue, Mrs. Francis J.

St. George's Society of New York

Schwindt, Mr. Walter

Society for the Relief of Women

and Children

Stout, Mr. Bayard D.

Strohmeyer, Mr. and Mrs. Harry

Title Guarantee Company

Van Itallie, Mr. Dorus

Vaughan, Mrs. Eleanor W.

West, John P., M.D.

Weybright, Mr. Victor

Wilson, Mr. Orme

Winston Foundation, Inc., Harry

#### \$500 to \$1,000

Abbott, Mrs. Elizabeth M.

Aldrich, Mrs. Winthrop W.

Alexander, Miss Helen D.

Arlin Fund

Beekman Family Association

Berenson, Mr. and Mrs. Lawrence

Berle, Beatrice Bishop, M.D.

Blancato, Louis S., M.D.

#### \$100 to \$500

Aborn, Mr. Julius

Ada, Alexander, E. W., M.D.

Aldrich, Mr. and Mrs. Malcolm P.

Alston, Miss Mary Niven

Amateau, Mr. Rod

Anderson, Mr. Robert W.

Andrews, Mr. James W.

Andrews, Mr. Prescott

Anonymous (2)  
 Aspegren, Mr. John B.  
 Barnard, Mrs. J. Augustus  
 Bates, Mrs. Theodora B.  
 Beinecke, Mrs. Walter, Jr.  
 Bell, A. L. Loomis, Jr., M.D.  
 Bidwell, Mr. J. Truman  
 Bienstock Foundation, Inc.,  
 Marjorie and Abraham L.  
 Blank, Mr. Morris  
 Blough, Earl, M.D.  
 Bonyge Memorial Fund, M. Alida  
 Brooks, Miss Florence V.  
 Bruce, Mrs. Mellon  
 Building Maintenance Corporation  
 Bunker, Mrs. Arthur H.  
 Bunker, Estate of Arthur H.  
 Bunker Foundation, Arthur H.  
 Bunker, Mr. Charles C.  
 Bunker, Miss Dorothy  
 Burdsall, Mr. and Mrs. Benjamin R.  
 Burns, Mrs. William G.  
 Butler, Mrs. Arthur W.  
 Camp, Mr. Kingsland  
 Campbell, Mr. and Mrs. Joseph  
 Childs, Edward P., M.D.  
 Choate, Mrs. Arthur Osgood  
 Christie, Mr. Gerald E.  
 Chu, Mrs. Lucy  
 Clark, Mrs. Huguette M.  
 Class of 1965  
 Columbia Committee for  
     Community Service, Inc.  
 Compton, Mr. and Mrs. Randolph P.  
 Copeland, Mr. and Mrs. Gerret  
 Coster, Mrs. Gerard H.  
 Crocker, Mr. Arthur M.  
 Cutler, Mr. and Mrs. Howard W.  
 Danziger Trust, Abraham L.  
 Davie, Mr. John F.  
 Dewey Fund, Thomas E.  
 Fairbank, Mrs. Patricia Grogan  
 Farrell Lines, Inc.  
 Fenwick, Mrs. Millicent H.  
 Fink, Mr. Peter  
 Firmenich, Inc.  
 Fitzpatrick, Hugh F., M.D.  
 Flood, Charles A., M.D.  
 Ford, Miss Barbara D.  
 Ford, Miss Dorothy  
 Ford, Mr. and Mrs. E. L.  
 Friedburg, Mrs. Helen R.  
 Gander, Mr. MacLean  
 George, Mrs. Roland J.  
 Gerard Foundation, Inc.  
 Gifford, Mr. Donald S.  
 Gifford, Mr. John A.  
 Gillette, Mrs. E. H.  
 Grolier Foundation, Inc.  
 Hamrick, Mr. and Mrs. Charles  
 Hassel, Mr. Charles J.  
 Haupt Charitable Trust,  
     Enid Annenberg  
 Hay, Mrs. Clarence  
 Haynes, William, M.D.  
 Helme, Mr. William C.  
 Herring, Albert C., M.D.  
 Hibbs, Mrs. Russell  
 Himoff Foundation, Max  
 Hitt, Miss Eugenia W.  
 Hockaday, Mr. Irvine O.  
 Hoit, Mrs. Alice G.  
 Holden, Mr. W. Wilson  
 Holloway, Mr. Bernard L.  
 Holmes, Mrs. Jane A.  
 Hopeman, Mrs. Albert A.  
 Hopwood, Miss Emilie  
 Hornor, Mr. John W.  
 Houston, Mrs. Robert L.  
 Hoyt, Mr. Whitney F.  
 Hyde, Mr. John B.  
 Irvine, Jed., M.D.  
 Johnson, Deaconess  
 Jones, Mr. Walter H.  
 Kane, Mr. R. Keith  
 Kaye, Mr. H. Austin  
 Kiff, Voss and Franklin  
 Kintner, Mrs. Robert E.  
 Kirkland, Mr. William R., Jr.  
 Knott, Mr. James  
 Koegel, Mr. Otto E.  
 Lanvin-Charles of the Ritz, Inc.  
 Lavengood, Russell, Jr., M.D.  
 Lilly Research Laboratories  
 Litchfield, Mrs. Arthur V.  
 Lowe, Mr. and Mrs. Gerald  
 Lunt, Mr. Storer B.  
 Lynn, Mr. and Mrs. Vernon R. Y.  
 MacFarlane, Mrs. A. H.  
 MacGregor, Mr. and Mrs. Wallace  
 MacLeod, Mr. and Mrs. R. Alastair  
 Maffitt, Mr. Edward P.  
 Marcus, Mr. Jefferson  
 Martin, Mr. Walter H.  
 McDonald, Mrs. Willis  
 McGrath, Mrs. J. Wade  
 McHugh, Mr. Thomas F.  
 McKim, Mrs. Robert J.  
 Melamid, Mr. George  
 Metzger, Mr. and Mrs. Herbert J.



Meyeringh, Mr. Petrus W.  
 Michelman, Mr. and Mrs. Samuel  
 Milbank, Mr. and Mrs. Jeremiah  
 Minnigerode, Mr. G. T.  
 Mitton, Mr. Edward R.  
 Mixsell, Mrs. Donald G.  
 Morgan, Mr. Henry S.  
 Morris, Mrs. Lewis R.  
 National X-Ray Products Corp.  
 New York Telephone Company  
 Nichol, Mrs. Frederick W.  
 O'Brien, Mrs. James E.  
 Oenslager, Mrs. Donald  
 Osborn, Mrs. Frederick  
 Osbun, Mr. Earl  
 Page, Mr. Robert G.  
 Parish, Mr. Henry, II  
 Patrick, Miss Elizabeth  
 Pisart, Mrs. Georgette  
 Pittman, Fred E., M.D.  
 Porter, Mrs. Cheever  
 Price, Mr. Theodore H., Jr.  
 Pulling, Mrs. Edward  
 Purdy, Mrs. Thomas L., Jr.  
 Radcliffe, Miss Gertrude S.  
 Rau, Mrs. Violet S.  
 Richard, Mrs. H. C.  
 Ripley, Mr. James  
 Robinson, Mrs. Henry  
 Rockefeller, Mrs. Laurance S.  
 Ryan, Mr. Allan A.  
 Ryan, Mr. William H.  
 Schwartz, Miles J., M.D.  
 Scoville, Mrs. Herbert

Seaman, Mrs. Douglas  
 Sherry, Mr. Marcus D.  
 Singer, Miss Martha  
 Smith, Mr. Adolph Q.  
 Smith, Herbert J., M.D.  
 Smithers, Mr. C. F.  
 Springs, Mr. Richard A., Jr.  
 Stark, Richard B., M.D.  
 Stevenson, Stuart S., M.D.  
 Stone, Miss Elizabeth  
 Strohmeier, Miss Ethel  
 Sutcliffe, Mr. Arthur T.  
 Swan and Company, Inc., John L.  
 Tate, Mrs. H. C.  
 Terry, Mrs. Charles G.  
 Thayer, Mr. and Mrs. Hollis K.  
 Timolat, Mr. and Mrs. Louis K.  
 Tyng Trust, Lila Hotz  
 Twyeffort, Mr. Clarence M.  
 Vaillant, Dr. and Mrs. Rene  
 Van Vechten, Mr. Schuyler  
 Vietor, Mr. Alexander O.  
 Wallen, Mr. Carl A.  
 Warner Fund, Albert and Bessie  
 Watkins, Mr. Harry A.  
 Webb, Mrs. V.  
 White, Mrs. John Campbell  
 Whiting, Frederick L., M.D.  
 Williams, Mr. Thomas R.  
 Williams, Mrs. William M.  
 Williamson, Mrs. Frederick E.  
 Wilson, Miss Anne S.  
 Worcester, Mr. Dean K.  
 Woolley, Mrs. Knight



## Gifts For Special Purposes 1965

Ada Fund for Surgical Service .....	\$ 200.00
Altman Foundation Fund .....	1,000.00
Anesthesia Service Fund .....	1,840.00
Aldo R. Balsam Fund for I.C.U. ....	1,500.00
Blood Bank Fund .....	400.00
Children's Fund .....	5.00
Children's Toys Fund .....	16.50
Christmas Fund .....	930.00
Class of 1965 Fund .....	425.00
Clemens Fund for Clinic Care .....	5,000.00
Danziger Appliance Fund .....	525.00
Darling Fund for Psychiatric Nursing Scholarships .....	1,500.00
Director's Discretionary Fund .....	170.00
Discretionary Fund for Medical Service .....	5,682.21
Discretionary Fund for Needy Patients .....	10.00
Ear, Nose & Throat Fund .....	240.00
Eye Service Fund .....	232.00
Faculty Organization Fund .....	47.50
Fleming Fund for Indigent Patients Needing Plastic Surgery .....	700.00
Dr. Lloyd H. Gaston Memorial Fund .....	385.00
Gavin Fund for Special Needs of Patients .....	35.00
Carolyn Lathrop Goldsmith Memorial Room Fund .....	1,524.38
Gastro-Intestinal Clinical Fund .....	465.00
Grace Institute Scholarship Fund .....	3,000.00
Graduate Nurses Tea Fund .....	22.50
Janet Gustafson Memorial Fund .....	161.00
Hartley Scholarship Fund .....	500.00
Holloway Fund for School of Nursing .....	5,105.38
Hospital Auxiliary Operating Fund .....	100.00
House Staff Fund .....	15.00
House Staff Fund for Recreation Room .....	6,000.00
John H. Keating Sr. Memorial Fund .....	200.00
Maude A. Leland Fund .....	1,117.95
Medical Library Fund .....	50.00
Janet Stewart Melling Memorial Fund .....	500.00
Nursing Service Director's Discretionary Fund .....	60.00
Pathology Department Fund .....	183.49
Patients Library Fund .....	577.50
Pediatric Service General Fund .....	1,153.00
Phipps Fund for Patient Care .....	1,010.00
Plastic Surgery Fund .....	1,325.00
Psychiatric Service Fund .....	8,346.37
Radiology Department Fund .....	966.51
Radio Therapy Department Fund .....	25.00
Recreational Therapy Fund .....	400.00
Redecorating Private Rooms Fund .....	146.20
Religious Service Work Fund .....	1,639.14
J. Gould Remick Memorial Fund .....	1,333.33
Riverside Church Fund .....	275.00
School of Nursing Purposes Fund .....	808.43

Schweckendieck Fund for Crippled Children .....	1,800.00
Scott Memorial Fund .....	63,410.45
Walter Scott Fund for Orthopedic Care of Children .....	5,010.00
Elizabeth Van Leer Sharp Memorial Fund .....	30.00
C. S. Smith Trust Fund .....	22.64
Social Service Camp Care Fund .....	800.00
Social Service Christmas Fund .....	405.00
Social Service Director's Fund .....	645.00
Special Equipment Fund .....	1,325.00
Special Meetings Fund .....	54.00
Special Needs of O.P.D. Patients Fund .....	400.00
Special Needs of Patients Fund .....	1.00
Special Nurses Fund .....	25.00
Stevenson Pediatric Fund .....	35.00
Sunderland Auditorium Fund .....	200.00
Surgical Equipment Fund .....	3,250.00
Surgical Service—General Fund .....	1,282.84
Switzer Foundation Fund .....	1,000.00
James Talcott Fund for Scholarships .....	1,000.00
Urological Department Fund .....	1,374.19
Mrs. Andrew V. Stout Memorial Fund .....	6,310.00
Louise and D. D. Walker Fund .....	2,502.94
Jane Wallen Memorial Fund .....	210.00
Elizabeth White Vaughan Memorial Fund .....	800.00
Andrew & Edith Rose Wilson Memorial Fund .....	403.00
Woman's Hospital Family Planning Clinic Fund .....	9,500.00
<i>Total Gifts for Special Purposes</i> .....	<u>\$159,649.45</u>

## Gifts and Grants for Research 1965

For Arthritis Research .....	\$ 37,514.75
For Cancer Research .....	10,556.00
For Cardio Respiratory Research .....	8,914.18
For General Research .....	68,780.00
For Medical Research .....	824,897.80
For Nutritional Research .....	134,235.00
For Orthopedic Research .....	900.00
For Psychiatry Research .....	211,081.70
For Radiology Research .....	14,000.00
For Surgical Research .....	59,631.25
<i>Total Gifts and Grants for Research</i> .....	<u>\$1,370,510.68</u>

## Endowed Beds Funds

Estate of Mary Strong Shattuck .....	\$2,125.27
--------------------------------------	------------

## Endowments for Designated Purposes

Alumnae Association Private Room Fund—Laura Kibbe Family .....	\$ 60.00
Anonymous .....	3,000.00
Dean Hoffman Private Room Fund—	
The Rev. and Mrs. Rene Vaillant .....	150.00
Mrs. M. Thomas Katzenbach .....	200.00
The Rev. Harold N. Renfrew .....	100.00
	<u>\$ 3,510.00</u>

## Endowments For General Purposes

Estate of Elizabeth B. Ballard .....	\$10,000.00
Helen Abbe Howson Memorial Fund .....	1,734.38
Estate of George A. Molleson .....	5,000.00
	<u>\$16,734.38</u>

## Memorial Endowments

### Memorial Fund for Special Nursing—

Estate of Elizabeth B. Ballard .....	20,000.00
Miscellaneous .....	100.00
	<u>\$20,100.00</u>

## Unrestricted Legacies

### St. Luke's Hospital—

Estate of Blandina B. Andrews .....	\$ 263.42
Estate of Rachel S. Aughiltree .....	351.50
Estate of Grace Cooke Clarkson .....	5,000.00
Estate of Johanna C. Droste .....	1,075.98
Estate of May Rebhann Fiero .....	1,000.00
Trust of Hazel B. Hoadley .....	7,000.00
Estate of Patrick McCabe .....	303.00
Estate of Mary Edith O'Brien .....	5,000.00
Estate of Raymond T. Parrot .....	6,926.47
Estate of Isabel M. Peters .....	10,000.00
Mary L. Robbins Trust .....	200,000.00
Estate of Mary Strong Shattuck .....	3,542.11
Estate of Marion Parris Smith .....	100,000.00
Estate of Marie Zwahlen .....	2,000.00
	<u>\$342,462.48</u>

### Woman's Hospital—

Estate of Agnes Carpenter .....	\$215,635.87
Trust of Edna L. Fox .....	8,010.83
Estate of Mary Strong Shattuck .....	3,542.11
Estate of Helen B. Sims .....	200.00
Estate of Mary L. Stuart .....	275.00
	<u>\$227,663.81</u>

## Income from Trusts and Estates

### *St. Luke's Hospital—*

Florence L. S. Clark Trust .....	\$46,377.31
First Presbyterian Church Trust .....	7,400.42
Edna L. Fox Trust .....	31.15
Green Trust .....	8,844.72
Adrian H. Jackson Trust .....	8,031.69
Kurzman Trust Fund .....	282.05
Estate of Mary Minot Macy .....	750.00
Laura Shannon Trust .....	4,446.26
	<u>\$76,163.60</u>

### *Woman's Hospital—*

Estate of Agnes Carpenter .....	\$ 9,225.41
---------------------------------	-------------

## Funds Received-1965

### Recapitulation of Benefactions and Grants

#### *St. Luke's Hospital—*

Gifts for General Purposes .....	\$ 148,910.39
Gifts for Special Purposes .....	159,649.45
Gifts and Grants for Research .....	1,370,510.68
Endowed Beds Fund .....	2,125.27
Endowments for Designated Purposes .....	3,510.00
Endowments for General Purposes .....	16,734.38
Memorial Endowments .....	20,100.00
Unrestricted Legacies .....	342,462.48
Income from Trusts and Estates .....	76,163.60
	<u>\$2,140,166.25</u>

# Woman's Hospital

## Gifts for General Purposes—1965

Gifts of \$1,000 and over .....	8
Gifts of \$500 to \$1,000 .....	3
Gifts of \$200 to \$500 .....	4
Gifts of \$100 to \$200 .....	18
Gifts of \$50 to \$100 .....	29
Gifts of under \$50 .....	689
Total number of donations .....	<u>751</u>
Total amount contributed .....	\$35,098.81

### \$1000 and Over

Avalon Foundation  
 Corey, Mrs. Alan L., Jr.  
 Davis, Mrs. Howland S.  
 Noble Foundation, Edward  
 Grace, Mrs. W. R.  
 Lipton Foundation  
 March Foundation  
 New York Community Trust

### \$500 to \$1000

Clarke, Mrs. Natalie R.  
 Mathews, Mr. Hiram A.  
 Stebbins, Mr. Theodore E.

### \$100 to \$500

Beekman Family Association  
 Culpeper Foundation, Inc., Charles E.  
 Ferwerda Corporation  
 The Green Foundation  
 Haskell, Mr. Amory L.  
 Kelly, Mrs. Carlos D.  
 Lageman, Mr. Walter  
 Metcalf, Mrs. Manton B., Jr.  
 Milbank, Mrs. Jeremiah  
 Perkins, Mrs. George N.  
 Talcott Fund, Inc., James  
 Target Rock Foundation, Inc.  
 Thompson, Mrs. Frank M.  
 Watson, Mrs. Thomas J.  
 Webb, Mrs. Vanderbilt  
 White, Mr. John Campbell



## Gifts for Special Purposes

### Assistant Board:

Library Fund .....	\$ 525.13
Babies' Alumni Fund .....	5,655.88
Cancer Research Fund—N. Y. Cancer Research Institute	9,165.00
Independent Citizens Research Foundation .....	19,904.00

### Social Service:

General Fund .....	300.00
Patients' Relief Fund (Baird Foundation through Mr. David G. Baird) .....	<u>1,181.25</u>
<i>Total Gifts for Special Purposes</i> .....	<i>\$36,731.26</i>

## Funds Received

### Recapitulation of Benefactions and Grants

Gifts for General Purposes .....	\$ 35,098.81
Gifts for Special Purposes .....	36,731.26
Unrestricted Legacies .....	227,663.81
Income from Trusts and Estates .....	<u>9,225.41</u>
<i>Total Benefactions and Grants</i> .....	<i>\$308,719.29</i>

# St. Luke's Hospital Patients, Statistics

	<u>1965</u>	<u>1964</u>
<b>Patients in Hospital First of Year</b>		
Private .....	105	121
Semi-Private .....	161	157
Ward .....	222	230
Psychiatric .....	31	30
<b>Total</b> .....	<u>519</u>	<u>538</u>
Newborn .....	45	40
<b>Total</b> .....	<u>564</u>	<u>578</u>
<b>Admitted During the Year</b>		
Private .....	3,577	3,522
Semi-Private .....	6,307	6,473
Ward .....	7,829	8,331
Psychiatric .....	491	478
<b>Total</b> .....	<u>18,204</u>	<u>18,804</u>
Newborn .....	2,019	2,249
<b>Total</b> .....	<u>20,223</u>	<u>21,053</u>
<b>Discharged During the Year</b>		
Private .....	3,602	3,538
Semi-Private .....	6,333	6,469
Ward .....	7,848	8,339
Psychiatric .....	495	477
<b>Total</b> .....	<u>18,278</u>	<u>18,823</u>
Newborn .....	2,036	2,244
<b>Total</b> .....	<u>20,314</u>	<u>21,064</u>
<b>Patients Remaining at End of Year</b>		
Private .....	80	105
Semi-Private .....	135	161
Ward .....	203	222
Psychiatric .....	27	31
<b>Total</b> .....	<u>445</u>	<u>519</u>
Newborn .....	28	45
<b>Total</b> .....	<u>473</u>	<u>564</u>
<b>Admission Classified by Religious Denominations</b>		
Protestant .....	7,503	8,046
Roman Catholics .....	8,291	8,607
Hebrew .....	1,845	1,903
Other Religions and None .....	2,484	2,497
<b>Total</b> .....	<u>20,223</u>	<u>21,053</u>

<b>Analysis of Patients Discharged</b>	1965	1964
Cured or Improved .....	19,201	19,758
Unimproved .....	541	669
In for Diagnosis .....	13	8
Left against advice .....	119	170
Died .....	440	462
<b>Total</b> .....	<u>20,314</u>	<u>21,067</u>

<b>Total Patient Days</b>		
Private .....	42,513	43,027
Semi-Private .....	66,469	64,655
Ward .....	98,109	99,590
Psychiatric .....	10,228	10,794
<b>Total</b> .....	<u>217,319</u>	<u>218,066</u>
Newborn .....	13,497	14,491
<b>Total</b> .....	<u>230,816</u>	<u>232,557</u>

<b>Average Daily Census</b>		
Private .....	116	118
Semi-Private .....	182	177
Ward .....	269	273
Psychiatric .....	28	29
<b>Total</b> .....	<u>595</u>	<u>597</u>
Newborn .....	37	40
<b>Total</b> .....	<u>632</u>	<u>637</u>

<b>Average Stay per Patient</b>		
Private .....	11.80	12.16
Semi-Private .....	10.50	9.99
Ward .....	12.50	11.94
Psychiatric .....	20.66	22.63
<b>Total</b> .....	<u>11.89</u>	<u>11.58</u>
Newborn .....	6.63	6.46
<b>Total</b> .....	<u>11.36</u>	<u>11.04</u>

<b>Bed Complement</b>		
Private .....	134	153
Semi-Private .....	195	200
Ward .....	350	384
Psychiatric .....	35	35
<b>Total</b> .....	<u>714</u>	<u>772</u>

<b>Bassinets</b>		
Regular .....	56	68
Premature .....	12	18
<b>Total</b> .....	<u>68</u>	<u>86</u>

Percentage of Bed Occupancy	1965	1964
Private .....	86.92	77.05
Semi-Private .....	93.39	88.57
Ward .....	76.80	71.05
Psychiatric .....	87.57	84.49
<b>Total</b> .....	82.16	76.23
Nursery .....	54.38	46.16
<b>Total</b> .....	81.18	74.26

#### Unit Income and Costs for In-Patients

Average Income per Patient Day .....	55.07	50.86
Average Cost per Patient Day .....	60.20	57.32
Average Loss per Patient Day .....	5.13	6.46

## Statistics – Out-Patients

	<u>1965</u>	<u>1964</u>
<b>Out-Patient Department</b>		
Total Number of Patient Visits .....	149,045	147,426
Number of Individuals Treated .....	30,076	27,454
<b>Unit Income and Costs for Out-Patients</b>		
Average Income Per Out-Patient Visit .....	\$ 4.40	\$ 4.05
Average Cost Per Out-Patient Visit .....	<u>11.86</u>	<u>10.35</u>
Average Loss Per Out-Patient Visit .....	<u>\$ 7.46</u>	<u>\$ 6.30</u>
<b>Cases Examined in Admitting and Emergency Departments</b>		
Treated and Referred to Out-Patient Department .....	32,963	28,655
Treated and Referred to Private Doctors .....	1,242	1,101
Treated and Referred to Personnel Office .....	340	271
Treated and Referred Elsewhere .....	841	1,231
Miscellaneous Communicable Diseases Referred Elsewhere .....	—	297
Treated and Discharged .....	24,846	23,168
Examined and Admitted .....	4,847	6,457
Compensation Cases Treated and Referred Elsewhere ..	656	876
Left Without Being Seen; Against Advice .....	1,322	1,458
Columbia Health Service .....	<u>1,268</u>	<u>1,143</u>
<b>Total</b> .....	<u>68,325</u>	<u>64,657</u>

# Statistics

## Number of Employees

(As of December 31, 1965)

	1965	1964
Residents and Internes .....	127	120
Nursing Care .....	681	730
Student Nurses, Including Preclinical Students .....	233	244
School of Nursing .....	32	31
Operating Rooms (Includes Maids and Porters) .....	69	89
Delivery Rooms .....	18	14
Miscellaneous Professional Care .....	147	141
X-Ray Department .....	72	73
Pathological Laboratory .....	86	90
Other Special Services Departments .....	60	51
Out-Patient Department .....	75	78
Dietary Department .....	213	224
Housekeeping Department .....	143	163
Maintenance of Personnel .....	43	47
Laundry .....	70	72
Linen and Sewing Room .....	25	26
Maintenance of Buildings, Grounds and Equipment ..	50	60
Operation of Plant .....	54	68
Business Offices and Telephone .....	188	193
Purchasing and Storeroom .....	16	16
Executive Offices .....	17	18
Religious Services Department .....	6	6
Research .....	112	83
Other .....	31	30
<b>Total</b> .....	2,568	2,667

# Statistics

## Special Service Department

St. Luke's Hospital Center

	1965	1964
<b>X-Ray Department</b>		
Radiography		
Examination of In-Patients .....	28,376	26,746
Examination of Clinic Patients .....	24,817	19,972
Examination of Referred Out-Patients .....	8,642	8,275
<b>Total</b> .....	<u>61,835</u>	<u>54,993</u>
Number of Films Used .....	<u>179,907</u>	<u>155,819</u>
Radiotherapy—Number of Treatments:		
In-Patients .....	3,058	3,390
Clinic Patients .....	1,654	1,775
Referred Out-Patients .....	2,715	2,826
<b>Total</b> .....	<u>7,427</u>	<u>7,991</u>

### Pathological Laboratory Department

Number of Tests:		
In-Patients .....	268,943	269,777
Clinic Patients .....	81,941	88,255
Referred Out-Patients .....	10,085	10,919
Research and Others .....	20,908	27,470
<b>Total</b> .....	<u>381,877</u>	<u>369,421</u>

### Operating Rooms

Number of Operations:		
Private Patients .....	1,975	1,928
Semi-Private Patients .....	4,231	4,384
Ward Patients .....	4,722	4,910
Clinic Patients .....	242	325
Referred Out-Patients .....	122	118
<b>Total</b> .....	<u>11,292</u>	<u>11,665</u>

### Physical Medicine Department

Number of Treatments:		
In-Patients .....	18,673	23,148
Clinic Patients .....	19,610	21,654
Referred Out-Patients .....	4,113	4,893
<b>Total</b> .....	<u>42,396</u>	<u>49,695</u>
Total Number of Patients' Visits .....	<u>16,763</u>	<u>18,883</u>



**Electrocardiograph Department**

Number of Examinations:	1965	1964
In-Patients .....	8,793	8,573
Clinic Patients .....	2,078	2,085
Referred Out-Patients .....	122	99
<b>Total</b> .....	<b>10,993</b>	<b>10,757</b>

**Electroencephalograph Department**

Number of Examinations:		
In-Patients .....	467	485
Clinic Patients .....	335	315
Referred Out-Patients .....	163	167
<b>Total</b> .....	<b>965</b>	<b>967</b>

**Metabolism Department**

Number of Tests:		
In-Patients .....	27	74
Clinic Patients .....	25	34
Referred Out-Patients .....	-	11
<b>Total</b> .....	<b>52</b>	<b>119</b>

**Cystoscopic Department**

Number of Treatments:		
In-Patients .....	635	553
Clinic Patients .....	284	191
<b>Total</b> .....	<b>919</b>	<b>744</b>

**Blood Bank**

Number of Transfusions:		
In-Patients .....	4,446	3,700
<b>Total</b> .....	<b>4,446</b>	<b>3,700</b>

**Hearing and Speech**

Number of Treatments:		
In-Patients .....	264	271
Clinic Patients .....	2,879	3,552
<b>Total</b> .....	<b>3,143</b>	<b>3,823</b>

### Cardiopulmonary Laboratory

	1965	1964
Right Heart Catheterizations .....	87	76
Left Heart Catheterizations .....	64	39
Selective Cine and Angiocardiograms* .....	86	51
Cardiac Pacemakers .....	9	—
Miscellaneous Heart Studies .....	20	4
<i>Total Heart Studies</i> .....	266	170
Pulmonary Function Studies .....	338	395
<i>Total Cardiopulmonary Studies</i> .....	604	565

\* In conjunction with Department of Radiology.

### Inhalation Therapy

	1965	1964
Number of Patient Treatments		
Intermittent Positive Pressure Breathing .....	15,739	12,450
(Bedside & Clinic Treatments)		
Oxygen Tents .....	1,384	221
Oxygen Masks & Catheters .....	1,788	315
Aerosol Treatments .....	154	4
Tracheal & Face Piece Humidifiers .....	257	—
Respirators .....	43	—
<i>Total Treatments</i> .....	19,365	12,990

### Plethysmograph

Number of Treatments:

In-Patients .....	21	41
Out-Patients .....	17	22
<b>Total</b> .....	38	63

# Department of Religious Services

	1965	1964
Baptisms .....	13	27
Marriages .....	7	4
Memorial Services .....	2	3
Burials .....	19	23

## Services of Holy Communion

Sundays .....	70	67
Other Days .....	53	47
Private .....	1,050	1,283
Total Communion Administered .....	4,039	4,411

## Services Conducted in Chapel and Wards

Sundays .....	626	751
Other Days .....	735	1,300
Total Chapel Attendance .....	21,440	26,041



St. Luke's Hospital Center

# ANNUAL REPORTS AND WORK BOOK

Hospital  
Organization

Service  
Reports

Finance &  
Statistics

## Hospital Organization

- A1 Board of Trustees
- A2 Committees of the Board
- A3 St. Luke's Hospital Auxiliary
- A4 Assistant Board
- A5 Medical Board & Committees
- A6 Administrative Staff
- A7 Hospital Volunteers

## Service Reports

- B1 Anesthesiology
- B2 Dermatology
- B3 Medicine
- B4 Obstetrics & Gynecology
- B5 Otolaryngology
- B6 Oral Surgery & Dentistry
- B7 Ophthalmology
- B8 Pathology
- B9 Pediatrics
- B10 Physical Medicine
- B11 Psychiatry
- B12 Radiology
- B13 Surgery
- B14 The General Staff
- B15 Women's Education
- B16 X-ray Service
- B17 School of Nursing & Diet
- B18 The Nursing Staff
- B19 Organization

## Finance & Statistics

- C1 Balance Sheet
- C2 Income/Expense Statement
- C3 Gift Record
- C4 Patient Statistics

The contents of the Work Book may be located by flipping the upper right corners of the pages and finding the "letter-number" which corresponds to the desired section as shown in the listings above (e.g., flip to B3 for the report of the Medical Service). In addition, a conventional paged index appears on pages 2 and 3.

Scientific and Statistical Reports for 1966 | Hospital Organization for 1967  
St. Luke's Hospital Center | Amsterdam Ave. & 114th St., New York, N. Y.

(All lists, unless noted, are as of July 1, 1967.)



# Contents

## Hospital Organization

Board of Trustees	5
Committees of the Board	6
St. Luke's Hospital Auxiliary	8
Assistant Board	11
Medical Board	12
Standing Committees of the Medical Board	14
Special Committees of the Medical Board	16
Administrative Staff	19
Hospital Volunteers	20

# Service Reports

Anesthesiology	25
Dermatology	29
Medicine	33
Obstetrics & Gynecology	57
Ophthalmology	75
Oral Surgery & Dentistry	77
Otolaryngology	81
Pathology	87
Pediatrics	91
Physical Medicine	98
Psychiatry	101
Radiology	109
Surgery	117
The Medical Staffs	133
House Staff	147
Scientific Publications	151
Nursing Service	161
School of Nursing Report	164
The Nursing Staff	167
Organizations	171

# Finance & Statistics

Balance Sheet	174
Income/Expense Statement	176
Gift Record	179
Patient Statistics	193



## Officers

Co-Chairmen of the Board:

Jarvis Cromwell

A. Varick Stout

President:

Henry B. Guthrie

Chairman of the

Executive Committee:

W. Macy Chamberlin

Vice President:

F. Huntington Babcock

Vice President:

Clarence G. Michalis

Vice President and

Assistant Secretary:

Daniel P. Davison

Treasurer:

Van Rensselaer Halsey

Secretary:

David T. McGovern

## Board of Trustees by Classes

*(whose terms expire respectively at the close of the annual meeting of the corporation in the following years)*

### 1967

Mrs. John S. Burke, Jr.

Jarvis Cromwell

William L. Crow

Mrs. J. Winston Fowlkes

Henry B. Guthrie

Kenneth A. Ives

George S. Johnston

Clifford W. Michel

Donald G. Price

Henry R. Sutphen, Jr.

John W. F. Treadwell, C.B.E.

### 1968

Mrs. Simmons Coleman

John P. Humes

Peter Iselin

David T. McGovern

Clarence G. Michalis

Ricard R. Ohrstrom

Eben W. Pyne

Walter N. Rothschild, Jr.

Frederick Sheffield

A. Varick Stout

### 1969

F. Huntington Babcock

W. Macy Chamberlin

Daniel P. Davison

Van R. Halsey

Frank S. Hogan

Clarence F. Michalis

Perry R. Pease

Mrs. Clendenin J. Ryan

William J. Trent, Jr.

Arnold Whitridge

Frederick J. Woodbridge

## Trustees Ex-Officio

*Representatives of*

*St. George's Society:*

Maurice G. Burnett

David Granger

*The Bishop of the Diocese of New York:*

The Right Reverend

Horace W. B. Donegan,

D.D., D.C.L.

*The Mayor of the*

*City of New York:*

The Honorable

John V. Lindsay

*The President of the*

*Medical Board:*

Myron Wright, M.D.

*The President of*

*St. Luke's Hospital Auxiliary:*

Mrs. J. Winston Fowlkes

*The Dean of the College of*

*Physicians and Surgeons,*

*Columbia University:*

H. Houston Merritt, M.D.

## Honorary Trustees

Mrs. Douglas M. Black

Charles S. Brown

Mrs. Mellon Bruce

\*Mrs. Howland S. Davis

Chauncey B. Garver

Frederick R. King, F.A.I.A.

Hiram A. Mathews

Mrs. Harold R. Mixsell

William A. Read

William J. Schieffelin

Mrs. Walbridge S. Taft

Schuyler Van Vechten

Samuel B. Webb

*Counsel:*

Appleton, Rice & Perrin

*Executive Director of the*

*Hospital Center:*

Charles W. Davidson,

B.A., C.P.A.

\*Deceased

## Board of Trustees, Standing Committees

### Executive Committee

Jarvis Cromwell,  
*Co-Chairman of the Board*  
A. Varick Stout,  
*Co-Chairman of the Board*  
Henry B. Guthrie, *President*  
W. Macy Chamberlin,  
*Chairman, Executive Committee*  
F. Huntington Babcock,  
*Vice President*  
Clarence G. Michalis,  
*Vice President*  
Daniel P. Davison, *Vice President*  
*and Assistant Secretary*  
Van Rensselaer Halsey, *Treasurer*  
David T. McGovern, *Secretary*  
Mrs. John S. Burke, Jr.  
William L. Crow  
Mrs. J. Winston Fowlkes  
Kenneth A. Ives  
Frederick Sheffield  
Henry R. Sutphen, Jr.  
Arnold Whitridge  
\*Myron Wright, M.D.,  
*President Medical Board*  
\*Charles W. Davidson,  
*Executive Director*

### Building Committee

William L. Crow, *Chairman*  
Mrs. John S. Burke, Jr.  
Mrs. J. Winston Fowlkes  
Kenneth A. Ives  
Walter N. Rothschild, Jr.  
Mrs. Clendendin J. Ryan  
Frederick J. Woodbridge  
\*Mrs. John B. Aspegren  
\*Frederick R. King  
\*Carl Wright  
\*Charles W. Davidson

### Committee on Budget and Personnel

William J. Trent, Jr., *Chairman*  
Mrs. John S. Burke, Jr.  
Clarence F. Michalis  
Henry R. Sutphen, Jr.  
\*Charles W. Davidson

\*By Invitation

**Finance Committee**

Clifford W. Michel, *Chairman*  
 F. Huntington Babcock  
 Daniel P. Davison  
 Van R. Halsey  
 George S. Johnston  
 Clarence F. Michalis  
 Clarence G. Michalis  
 Ricard R. Ohrstrom  
 Perry R. Pease

**Committee on****Governmental Relations**

Maurice Burnett, *Chairman*  
 Peter Iselin

\*Charles W. Davidson

**Committee on****Hospital Decorations**

Mrs. J. Winston Fowlkes, *Chairman*  
 Mrs. Simmons Coleman

\*Mrs. Clarence G. Michalis

\*Mrs. Carl Oakman

\*John P. West, M.D.

**Joint Conference Committee**

Henry B. Guthrie, *Chairman*

F. Huntington Babcock

W. Macy Chamberlin

Jarvis Cromwell

Daniel P. Davison

Van R. Halsey

David T. McGovern

Clarence G. Michalis

A. Varick Stout

\*Charles W. Davidson

**Medical Board**

Robert W. Fraser, Jr., M.D.

William S. Norton, II, M.D.

Stuart S. Stevenson, M.D.

Harold M. M. Tovell, M.D.

Theodore B. Van Itallie, M.D.

Myron Wright, M.D.

Harold A. Zintel, M.D.

**Committee on Legal Affairs**

John P. Humes—*Chairman*

Frederick Sheffield

David T. McGovern

**Nominating Committee**

Daniel P. Davison, *Chairman*

John P. Humes

David T. McGovern

Clarence F. Michalis

Eben W. Pyne

Frederick Sheffield

**Committee on Nursing**

Arnold Whitridge, *Chairman*

Mrs. Simmons Coleman

Peter Iselin

Kenneth A. Ives

George S. Johnston

Henry R. Sutphen, Jr.

\*Miss Erica Kohler

\*Eleanor Lambertson, EED

\*Miss Mary Tyrie

\*Charles W. Davidson

**Planning Committee**

Henry R. Sutphen, Jr.

Mrs. Simmons Coleman

William L. Crow

Clarence F. Michalis

Perry R. Pease

Walter N. Rothschild, Jr.

Arnold Whitridge

\*William S. Norton, II, M.D.

\*Carl T. Wright

\*Charles W. Davidson

\*President Medical Board

\*Vice President Medical Board

**Committee on****Public Relations and Fund Raising**

Kenneth A. Ives, *Chairman*

Jarvis Cromwell

Daniel P. Davison

Mrs. J. Winston Fowlkes

David Granger

Clifford W. Michel

Ricard R. Ohrstrom

Perry R. Pease

Eben W. Pyne

A. Varick Stout

Brigadier J. W. F. Treadwell

\*Mrs. Edward P. Childs

\*Francis G. Geer

\*Mrs. Edmund C. Lynch, Jr.

\*The Rev. Carleton J. Sweetser

**Committee on Religious Services**

The Brigadier J. W. F. Treadwell

\*\*Mrs. Howland Davis

The Rt. Rev. Horace W. B.

Donegan, D.D., S.T.D.

Mrs. J. Winston Fowlkes

Kenneth A. Ives

Clarence G. Michalis

\*The Rev. Carleton J. Sweetser

**Joint Research Review Committee**

*Trustee Representatives:*

John P. Humes

Ricard R. Ohrstrom

Henry R. Sutphen, Jr.

\*Charles W. Davidson

\*By Invitation

\*\*Deceased

## **St. Luke's Hospital Auxiliary**

### **Officers**

#### **May 1967-1968**

##### *President:*

Mrs. J. Winston Fowlkes

##### *1st Vice President:*

Mrs. John P. Lins

##### *2nd Vice President:*

Mrs. Theron O. Worth, Jr.

##### *Treasurer:*

Miss Gertrude R. Hoyt

##### *Recording Secretary:*

Mrs. Horace Hurley

##### *Corresponding Secretary:*

Mrs. William Lynn, Jr.

### **Chairmen of**

#### **Standing Committees**

##### *Church:*

Miss Eleanor M. Pise

##### *Executive:*

Mrs. J. Winston Fowlkes

##### *Library:*

Mrs. John P. Lins

##### *Social Service:*

Mrs. Haig Carapetyan

##### *Membership:*

Mrs. Simmons Coleman

##### *Thrift Shop: Acting Chairman:*

Mrs. Mitchell P. Valicenti, Jr.

##### *Gift Shop:*

Mrs. John P. West

##### *Volunteers: Co-Chairmen:*

Mrs. Jeremiah Clarke

Mrs. Merl L. Rouse

##### *United Hospital Fund:*

Mrs. E. Michael Bradley

### **Chairmen of**

#### **Special Committees**

##### *Decorating:*

Mrs. J. Winston Fowlkes

##### *Special Events: Co-Chairmen:*

Mrs. Edwin P. Stevens

Mrs. John McN. Sullivan

##### *Annual Luncheon Fashion Show:*

Mrs. Darby Perry

##### *Senior Ball:*

Mrs. Hilton H. Stothers

##### *Housekeeping:*

Mrs. Simmons Coleman

##### *Out-Patient Department:*

Miss Gertrude R. Hoyt

##### *Legislative:*

Mrs. John P. Lins

##### *Pediatric:*

Mrs. Carl S. Oakman

### **Active Members**

#### **Class of 1965-1968**

Miss Edythe Clark

Mrs. George Allen Fowlkes

Miss Gertrude R. Hoyt

Mrs. William T. Medl

Mrs. Clarence G. Michalis

Mrs. John F. Nixon

Mrs. Edward A. O'Neill

Mrs. James A. Paul

Mrs. Merl L. Rouse

Mrs. Charles F. Schetlin

Mrs. Edwin P. Stevens

Mrs. Hilton H. Stothers

Mrs. Mitchell Valicenti, Jr.

Mrs. Theodore B. Van Itallie

Mrs. John P. West

Mrs. Theron O. Worth, Jr.



**Class of 1966-1969**

Mrs. William Davidson  
 Mrs. Roland W. Donnem  
 Mrs. Charles E. Dunlap  
 Mrs. Robert Edmunds  
 Mrs. William Eldridge  
 Mrs. John W. Espy  
 Mrs. J. Winston Fowlkes  
 Mrs. Robert Fraser, Jr.  
 Mrs. H. Clifford Gayley  
 Mrs. Charles H. Gilbert  
 Mrs. C. Louis Gilbert  
 Mrs. Wheadon M. Grant  
 Mrs. Courtney H. Haight  
 Mrs. Charles F. Hamrick  
 Mrs. Leland B. Henry  
 Mrs. John P. Lins  
 Mrs. Robert D. McCoun  
 Mrs. Clifford W. Michel  
 Mrs. Salvador Ros  
 Mrs. Hugh Sanford, III

**Class of 1967-1970**

Mrs. de Griers Armstrong  
 Mrs. A. L. Loomis Bell, Jr.  
 Mrs. Curtis Bird  
 Miss Virginia Black  
 Mrs. E. Michael Bradley  
 Mrs. Haig Carapetyan  
 Mrs. Jeremiah Clarke  
 Mrs. Simmons Coleman  
 Mrs. J. Roland Goode  
 Mrs. Randolph Guthrie  
 Mrs. Horace Hurley  
 Mrs. William Lynn, Jr.  
 Mrs. Bondy Mackie  
 Mrs. Darby Perry  
 Miss Eleanor M. Pise  
 Mrs. Jacob Gould Schurman  
 Mrs. Robert H. Wellborn

**Honorary Members**

Miss Elizabeth Beebe  
 Mrs. Lyman C. Bleecker  
 Miss Adele F. Browning  
 Mrs. Edward B. Bruch  
 Mrs. Henry Sloane Coffin  
 Mrs. Lewis F. Frissell  
 Mrs. Joseph S. Minnis

**Associate Members**

Miss Frances M. Achilles  
 Mrs. Alexander E. W. Ada  
 Mrs. John H. Bancker  
 Mrs. Robert G. Barnes  
 Mrs. Robert S. Beekman  
 Mrs. Arthur H. Bunker  
 Mrs. G. Edgar Burford  
 Mrs. G. Jarvis Coffin  
 Mrs. Reginald Conklin  
 Miss Mildred P. Coster  
 Mrs. Jarvis Cromwell  
 Mrs. Russel Crouse  
 Mrs. Charles W. Davidson  
 Mrs. Richard de la Chapelle  
 Mrs. Edward J. Donovan  
 Mrs. Henry Leroy Finch  
 Miss Celestine P. Finley  
 Miss Leonora M. Finley  
 Mrs. Hugh F. Fitzpatrick  
 Mrs. Francis G. Geer  
 Mrs. Frederick S. Gilbert, Jr.  
 Mrs. Morris Goodbody, Jr.  
 Mrs. Charles F. Hamrick  
 Mrs. Harold E. Herrick  
 Mrs. James C. Joyner  
 Mrs. John H. Keating, Jr.  
 Mrs. Graham Knox  
 Mrs. William C. Kopper  
 Mrs. Leonard Leeming  
 Mrs. Edmund C. Lynch, Jr.  
 Mrs. William F. MacFee  
 Mrs. Lawrence M. Marks  
 Mrs. Flagler Matthews  
 Mrs. Robert E. McCabe, Jr.

## **St. Luke's Hospital Auxiliary**

(continued)

Mrs. Colin McCord  
Mrs. John McD. McKinney  
Miss Eleanor M. Mellon  
Mrs. Malcolm Moley  
Mrs. Roger Glenn Mook  
Mrs. Ellis M. Moore  
Mrs. Reginald L. Murphey  
Mrs. Thomas J. Nolan  
Mrs. Charles J. Nourse  
Mrs. Carl S. Oakman  
Miss Gene S. Palmer  
Mrs. John C. Pemberton  
Mrs. Theodore C. Romaine  
Mrs. David Rumsey  
Mrs. Cooper Schieffelin  
Mrs. William J. Schieffelin  
Mrs. Harold W. Scott  
Mrs. Joseph Seronde, Sr.  
Mrs. George Shea, Jr.  
Mrs. Frederick Sheffield  
Mrs. Earl W. Shepherd  
Mrs. Lansing P. Shield  
Mrs. Herbert J. Smith  
Mrs. Richard B. Stark  
Mrs. Edwin S. S. Sunderland  
Mrs. W. Leicester Van Leer  
Mrs. F. Stafford Wearn  
Mrs. James McB. Webster  
Mrs. Joseph W. Welsh  
Mrs. Myron Wright  
Mrs. Walter G. Young  
Mrs. Harold A. Zintel

## **Friends of St. Luke's**

Mrs. Adolf Axelrath  
Mrs. William G. Bibb  
Mrs. Gilman D. Blake  
Mrs. Edward P. Childs  
Mrs. Hope Coburn  
Mrs. D. Robert Cumming  
Miss Constance Cutler  
Mrs. Howard W. Dunk  
Mrs. Hilda Gelabert  
Mrs. George M. Goodwin  
Mrs. Albert C. Herring  
Mrs. Ora Hickey  
Mrs. Jed H. Irvine  
Mrs. S. J. Isaacson  
Miss M. Adeline Knapp  
Mrs. M. A. Koether  
Mrs. Eugene Lada-Mocarski  
Mrs. Leslie G. Lithgow  
Mrs. Ernest R. Mantius  
Mrs. John B. Marsh  
Mrs. Frederick M. Morris  
Miss Helen E. Musson  
Mrs. Robert G. Page  
Mrs. Donald B. Percy  
Mrs. D. Paul Reed  
Mrs. Cornelius P. Trowbridge  
Mrs. Schuyler Van Vechten  
Mrs. Robert H. White

## Assistant Board / Woman's Hospital

### Officers

*Honorary Chairman:*

Mrs. Walbridge S. Taft

*Chairman:*

Mrs. Clendenin J. Ryan

*1st Vice-Chairman*

Mrs. John McN. Sullivan

*2nd Vice-Chairman:*

Mrs. Robert McN. Smith

*Secretary:*

Mrs. Harold F. McGuire

*Treasurer:*

Mrs. John B. Aspegren

### Chairmen of Standing Committees

*Century Fund:*

\*Mrs. Howland S. Davis

*Decorating:*

Mrs. Charles M. Clark

Mrs. John McN. Sullivan

Mrs. Walter Rice Brewster

Mrs. Frederic C. Peck

*Gift Shop:*

Mrs. Frank MacLear

*Housekeeping:*

Mrs. Walter Rice Brewster

Mrs. John B. Aspegren

Mrs. George Grant Snowden, Jr.

Mrs. Thomas A. Ennis

*Library:*

Mrs. Harold F. McGuire

Mrs. George C. deKay

*Nominating Committee:*

Mrs. Walbridge S. Taft

*Nursing:*

Mrs. Harold F. McGuire

Mrs. Montague H. Hackett, Jr.

*Social Service:*

Mrs. T. P. Dixon

Mrs. Peter Iselin

Mrs. Howard B. Dean

Mrs. Dixon Seaman

Mrs. George C. deKay

Mrs. John H. Baker

Mrs. Ian G. Van Praagh

*Special Events:*

Mrs. John McN. Sullivan

*United Hospital Fund:*

Mrs. Walbridge S. Taft

Mrs. Douglas M. Black

Mrs. Frederic C. Peck

Mrs. L. Stoddard Horn

### Representatives on

#### St. Luke's Committees

*Budget and Personnel:*

Mrs. John S. Burke, Jr.

*Building Committee:*

Mrs. John S. Burke, Jr.

Mrs. Clendenin J. Ryan

Mrs. John B. Aspegren

*Executive Committee:*

Mrs. John S. Burke, Jr.

### Active Members:

Mrs. John B. Aspegren

Mrs. John H. Baker

Mrs. Douglas M. Black

Mrs. Walter Rice Brewster

Mrs. Mellon Bruce

Mrs. John S. Burke, Jr.

Mrs. Charles Martin Clark

Mrs. George C. deKay

Mrs. Thomas A. Ennis

Mrs. Montague H. Hackett, Jr.

Mrs. L. Stoddard Horn

Mrs. Peter Iselin

Mrs. Frank MacLear

Mrs. Harold F. McGuire

Mrs. Edgar L. Marston, II

Mrs. Hunter S. Marston

Mrs. Harold Ruckman Mixsell

Mrs. Frederic C. Peck

Mrs. Clendenin J. Ryan

Mrs. Robert McN. Smith

Mrs. George Grant Snowden, Jr.

Mrs. John McN. Sullivan

Mrs. Walbridge S. Taft

### Honorary

Mrs. Theodore Abel

Mrs. Russell B. Aitken

Mrs. George Whitney Martin

Mrs. T. Thorne McLane

\*Deceased

## Medical Board

### Officers

*President:*

Myron Wright

*Vice President:*

Robert W. Fraser, Jr.

*Secretary:*

Edward J. Sivigny

### Members

Alexander E. W. Ada

Charles G. Adsit, Jr.

Albert H. Aldridge

Luis A. Amill

Orrin E. Anderson

Eugene R. Ball, D. D. S.

Benjamin H. Balser

Leslie P. Barker

Irving Beckwith

Robert S. Beekman

Charles F. Begg

A. L. Loomis Bell, Jr.

Richard J. Bellucci

G. Gordon Bemis

John F. Bertles

Charles R. Blair

Louis F. Blancato

Charles K. Bogoshian

Peter A. Bossart

David M. Bosworth

William O. Buell

Edward A. Bullard

G. Edgar Burford

Alexander Caemmerer

Haig Carapetyan

Malcolm W. Carr, D.D.S.

Anthony S. Caruso, D.D.S.

Robert B. Case

Edward P. Childs

Graham Clark

Mather Cleveland

G. Jarvis Coffin

John M. Cotton

Ruth J. Cudmore

Frank J. Curran

Donald Dallas

Harold W. K. Dargeon

Arthur M. Davids

\*Charles W. Davidson

Joshua W. Davies

John S. Davis, Jr.

Clayton R. DeHaan

George Dermksian

Edward J. Donovan

John W. Draper

J. Frederick Eagle, Jr.

Robert T. Edmunds

Harry Eggers

William Epstein

A. Reginald Everett

Francis J. Faggella, D.D.S.

Waldo Farnum

James A. Feltman

William Ferderber, D.D.S.

J. William Fielding

Nathaniel Finby

Hugh F. Fitzpatrick

Robert W. Fraser, Jr.

Francis G. Geer

C. Louis Gilbert

Maurice F. Goodbody

Louis G. Haase, D.D.S.

\*Mr. Dennis Harrington

Sami A. Hashim

Graham G. Hawks

Samuel D. Hemley

Herbert F. Hempel

Albert C. Herring

Reginald A. Higgons

John G. Hill

James G. Hilton

Elizabeth B. Hinckley

Walter Hipp

Eugene L. Hoch

Peter R. Holt

Frederick C. Hunt

Leonard L. Hyams

Jed H. Irvine

\*By Invitation

Herbert F. Jackson  
 Carl T. Javert  
 F. Elmer Johnson  
 Ira S. Jones  
 Oswald R. Jones  
 Virginia Kanick  
 John H. Keating, Jr.  
 James C. Kirkbright  
 Richard D. Kittredge  
 Henriette Klein  
 Emanuel Klempner  
 W. Graham Knox  
 Juan Larralde  
 Van Peter Latsey  
 Russell W. Lavengood, Jr.  
 Leonard M. Liegner  
 Catherine Lodyjensky  
 Earl L. Loomis  
 David M. MacDonald  
 William F. MacFee  
 Locke L. MacKenzie  
 Thomas J. Mackie  
 James P. Marr  
 Ashby G. Martin  
 Robert McClanahan  
 Duncan R. McCuaig  
 Victor C. McCuaig  
 Margaret H. McKee  
 John M. McKinney  
 Colin W. McCord  
 Paul C. Morton  
 Leon Motyloff  
 E. Eugene Mullen  
 Arthur J. Murphy  
 Bernard N. Nathanson  
 Joseph N. Nathanson  
 William S. Norton II  
 Carl S. Oakman  
 Norman N. Ostrov  
 Bernard L. Pacella  
 Herbert Parsons  
 Luis R. Perelman  
 Constantine Photos  
 William J. Pyles  
 Harry Reiss  
 Elise L. Renning

Henry G. Rieger, D.D.S.  
 Nelson B. Sackett  
 Charles F. Schetlin  
 Fred J. Schilling  
 Miles J. Schwartz  
 James R. Scott  
 Edward J. Sivigny  
 Craig N. Smith  
 Frank E. Smith, Jr.  
 Maxcy Jean Smith  
 Robert F. Solley  
 Frank Spielman  
 Patricia E. Spier  
 Edward Stanley-Brown  
 Richard B. Stark  
 Stuart S. Stevenson  
 Hilton H. Stothers  
 Edward Stroh, D.D.S.  
 John A. Taylor  
 Samuel F. Thomas  
 Frederick R. Thompson  
 Harold M. M. Tovell  
 Aino Tuul  
 Theodore B. Van Itallie  
 Esther M. Ward  
 Elizabeth Watkins  
 F. Stafford Wearn  
 Howard K. Weisberg  
 John P. West  
 Doris L. Wethers  
 Stanley Whitfield  
 Aubrey L. Whittemore, Jr.  
 Leo F. J. Wilking, Jr.  
 Charles P. Wilson  
 Edward M. Winant  
 Myron Wright  
 Alexander W. Young, Jr.  
 Shyh-Jong Yue  
 Harold A. Zintel

## Standing Committees of the Medical Board—1967

### Executive Committee

Myron Wright, *Chairman*  
Charles F. Begg  
Louis S. Blancato  
Haig Carapetyan  
Harry Eggers  
Hugh F. Fitzpatrick  
C. Louis Gilbert  
Leonard L. Hyams  
John H. Keating, Jr.  
Margaret H. McKee  
Richard B. Stark  
Stuart S. Stevenson  
Harold M. M. Tovell  
Theodore B. Van Itallie  
Elizabeth B. Watkins  
Alexander W. Young, Jr.  
Harold A. Zintel

### Ex-Officio:

Robert W. Fraser, Jr.  
Edward J. Sivigny  
\*Mr. Charles W. Davidson

### Nominating Committee

William S. Norton II, *Chairman*  
Graham G. Hawks  
Edward M. Winant

### Committee on Blood Transfusions and Solutions

Hugh F. Fitzpatrick, *Chairman*  
Luis A. Amill  
John F. Bertles  
Louis S. Blancato  
James G. Hilton  
Graham G. Hawks  
Russell W. Lavengood, Jr.  
\*Mr. Albert DeNatale  
(Administrative Director,  
Blood Bank)

### Committee on By-Laws and Rules and Regulations

Edward P. Childs, *Chairman*  
A. L. Loomis Bell, Jr.  
Haig Carapetyan  
John M. Cotton  
Paul C. Morton  
William S. Norton II

Theodore B. Van Itallie  
John P. West  
Edward M. Winant

### Committee on Diets

C. Louis Gilbert, *Chairman*  
Sami A. Hashim  
Peter R. Holt  
Elise L. Renning  
Margaret McKee  
F. Stafford Wearn  
\*Gilbert Cherrick  
\*William H. Sebrell, Jr.  
\*Mr. Dennis Harrington  
\*Mr. George O'Leary  
(Director, Food Service)

### Committee on Interns and Residents

Robert S. Beekman, *Chairman*  
Benjamin H. Balser  
George Dermiskian  
Graham G. Hawks  
Russell W. Lavengood, Jr.  
Edward Stanley-Brown  
Doris L. Wethers  
Howard K. Weisberg  
\*Mr. Dennis Harrington

### Joint Conference Committee

Robert W. Fraser, Jr.  
William S. Norton II  
Stuart S. Stevenson  
Harold M. M. Tovell  
Theodore B. Van Itallie  
Myron Wright  
Harold A. Zintel  
  
Mr. F. Huntington Babcock  
Mr. W. Macy Chamberlain  
Mr. Jarvis Cromwell  
Mr. Daniel P. Davison  
Mr. Henry B. Guthrie  
Mr. Van R. Halsey  
Mr. David T. McGovern  
Mr. Clarence G. Michalis  
Mr. A. Varick Stout  
Mr. Charles W. Davidson

\*By Invitation

**Committee on  
Medical Records and Library**

F. Stafford Wearn, *Chairman*  
 Clayton R. DeHaan  
 William Ferderber  
 Francis G. Geer  
 Eugene L. Hoch  
 Leonard L. Hyams  
 David M. MacDonald  
 Aubrey L. Whittemore  
 Hudson J. Wilson  
 \*Mrs. Rachael Ambruoso  
   (Medical Librarian)  
 \*Mr. Dennis Harrington  
 \*Miss A. Rose Taddonio  
   (Medical Records Librarian)  
 Miss Evelyn Peck  
   (Director, Nursing Service)

**Committee on Nursing**

Charles G. Adsit, *Chairman*  
 William O. Buell  
 Robert Edmunds  
 Robert McClanahan  
 Colin W. McCord  
 E. Eugene Mullen  
 Harry Reiss  
 Miles J. Schwartz  
 Elizabeth B. Watkins  
 \*Robert E. McCabe, Jr.  
 \*Mrs. Frances Avella  
   (Director, School of Nursing)  
 \*Miss Evelyn Peck  
   (Director, Nursing Service)  
 \*Mr. Dennis Harrington

**Committee on  
Out-Patient Department**

W. Graham Knox, *Chairman*  
 Eugene R. Ball, D.D.S.  
 Maurice F. Goodbody  
 Richard D. Kittredge  
 David M. MacDonald  
 Edward G. Stanley-Brown  
 Elizabeth B. Watkins  
 Stanley Whitfield  
 Alexander W. Young, Jr.  
 \*John S. Aldridge  
 \*Hugh C. Davidson, Jr.  
 \*Paul R. Torrens  
 \*Robert E. Zickel  
 \*Mr. Dennis Harrington

\*Mr. Edward Megerian  
   (Admissions Director)  
 \*Miss Dorothy Wild (OPD Director)

**Committee on  
Pharmacy and Formulary**

Charles G. Adsit, *Chairman*  
 Haig Carapetyan  
 George Dermiskian  
 Harry Eggers  
 James A. Feltman  
 \*Michael G. Grieco  
 James Hilton  
 Jed H. Irvine  
 Carl S. Oakman  
 Samuel F. Thomas  
 Aino Tuul  
 Doris L. Wethers  
 Alexander W. Young, Jr.  
 \*Mr. Dennis Harrington  
 \*Mr. Hugo DeCaprariis (Chief Pharm.)

**Committee on  
Private Patients and Courtesy List**

Francis G. Geer, *Chairman*  
 A. Reginald Everett  
 J. William Fielding  
 Earl A. Loomis  
 Carl S. Oakman  
 Leo F. J. Wilking, Jr.  
 \*Mr. Dennis Harrington

**SPECIAL COMMITTEES**

**Committee on Animal Care**

Charles F. Begg, *Chairman*  
 John W. Draper  
 Hugh F. Fitzpatrick  
 James G. Hilton

**Archives Committee**

Richard B. Stark, *Chairman*  
 Luis A. Amill  
 George E. Burford  
 John H. Keating, Jr.  
 Duncan R. McCuaig  
 Paul C. Morton  
 Hilton H. Stothers  
 \*Mr. Dennis Harrington

\*By Invitation



## Special Committees

### **Committee on Management of Communicable Diseases and Infection Control**

Charles K. Bogoshian, *Chairman*  
Charles F. Begg  
Donald P. Dallas  
Elise L. Renning  
Stuart S. Stevenson  
Harold A. Zintel

- \*Victor Bokkenheuser  
(Bacteriologist and Microbiologist)
- \*Michael H. Grieco
- \*Mr. Dennis Harrington
- \*Mrs. Myrtle Fitzpatrick  
(Assistant Director, Nursing  
Service)
- \*Miss Evelyn Peck  
(Director, Nursing Service)

### **Disaster Committee**

Robert Edmunds, *Chairman*  
Donald P. Dallas  
J. William Fielding  
Stanley Whitfield

- \*Errol N. Harding
- \*Mr. Salvador Caruana  
(Supt. Plant & Maint.)
- \*Mr. Hugo DeCaparais  
(Chief Pharmacist)
- \*Mr. Dennis Harrington
- \*Mrs. Marcia Keyes  
(Exchange Visitors Coordinator)
- \*Miss Evelyn Peck  
(Director, Nursing Service)

### **Medical Advisory Committee to the Home Care Program**

Charles K. Bogoshian, *Chairman*  
J. William Fielding  
Carl S. Oakman  
Shyh-Jong Yue

- \*Paul R. Torrens
- Miss Louise Candland  
(Coordinator, Home Care Program)

### **Intensive Care Unit**

- \*\*Hugh F. Fitzpatrick, *Chairman*  
Louis S. Blancato
- \*\*A. L. Loomis Bell, Jr.  
Edward P. Childs  
Stanley Whitfield  
Colin W. McCord
- \*Robert W. Schick
- \*Mr. Dennis Harrington

- \*Miss Evelyn Peck  
(Director, Nursing Service)

### **Laboratory Committee**

Charles F. Begg, *Chairman*  
Maurice F. Goodbody  
W. Graham Knox

### **Medical Audit Committee**

John H. Keating, Jr., *Chairman*  
Edward G. Stanley-Brown  
Edward J. Sivigny

### **Committee on Morningside House**

Francis G. Geer, *Chairman*  
Hugh F. Fitzpatrick  
James A. Feltman

### **Operating Room Committee**

Harold A. Zintel, *Chairman*  
Louis S. Blancato  
John W. Draper  
Harry Eggers  
Edward Stroh, D.D.S.  
Frederick R. Thompson  
Harold M. M. Tovell  
John P. West  
Stanley Whitfield

- \*Mr. Dennis Harrington
- \*Mrs. Averil Lawrence  
(Supervisor, Operating  
Room, W.H.)
- \*Miss Hilda Pereira  
(Asst. Director Nursing, O.R.)

### **Patient Safety Committee**

Miles J. Schwartz, *Chairman*  
Edward G. Stanley-Brown  
Hudson J. Wilson

- \*Miss Joan Backus  
(Associate Director, Nursing  
Service)
- \*Mr. Dennis Harrington

### **Committee on Physical Medicine**

Edward M. Winant, *Chairman*  
Peter A. Bossart

- \*Robert S. Graham  
Jed H. Irvine  
Richard B. Stark  
Hudson J. Wilson

- \*By Invitation
- \*\*As representatives of their respective  
Directors of Service

### **Committee on Private Practice Offices**

John M. Cotton, *Chairman*

A. L. Loomis Bell, Jr.

Charles R. Blair

Richard B. Stark

Edward J. Sivigny

Elizabeth B. Watkins

\* Ian C. Van Praagh

\* Edward H. Reisner, Jr.

\* Mr. Dennis Harrington

### **Joint Committee For Professional Care Columbia University Health Center**

C. Louis Gilbert, *Chairman*

Harry Eggers

James A. Feltman

David M. McDonald

\* John A. Milici

Charles F. Schettlin

*Representing Columbia University:*

Dean John Alexander

Mr. Harold E. Lowe

### **Committee on Public Relations**

Robert S. Beekman, *Chairman*

Edward J. Sivigny

Hilton H. Stothers

\* Mr. Donald Selby

### **Radio-Isotope Committee**

Richard P. Keating, *Chairman*

Charles F. Begg

John F. Bertles

Nathaniel Finby

Virginia Kanick

Leonard M. Liegner

Harold M. M. Tovell

\* Richard N. Pierson, Jr.

\* Mr. Morris Hodara, Physicist

### **Committee on Study and Planning**

William S. Norton II, *Chairman*

Robert S. Beekman

Edward P. Childs

John M. Cotton

Carl S. Oakman

Edward J. Sivigny

Richard B. Stark

Theodore B. Van Itallie

John P. West

\* Mr. Charles W. Davidson

\* Mr. Dennis Harrington

\* Mr. Carl P. Wright, Jr.

### **Committee on Teaching Affiliation with College of Physicians and Surgeons**

Edward P. Childs

John M. Cotton

Stuart S. Stevenson

Harold M. M. Tovell

Theodore B. Van Itallie

Harold A. Zintel

*Representing Columbia University:*

Stanley E. Bradley

Edward C. Curren, Jr.

George H. Humphreys II

J. George Moore

George A. Perera

H. Houston Merritt, ex-Officio

### **Committee on Therapeutic Abortion**

Harold M. M. Tovell, *Chairman*

John M. Cotton

Theodore B. Van Itallie

### **Tissue Committee**

Charles F. Begg, *Chairman*

Robert Edmunds

Richard B. Stark

Edward J. Sivigny

### **Tumor Committee**

Leonard M. Liegner, *Chairman*

Charles F. Begg

John F. Bertles

Harold W. K. Dargeon

Robert Edmunds

Nathaniel Finby

Duncan R. McCuaig

Norman N. Ostrov

Charles F. Schettlin

Harold M. M. Tovell

\* John S. Aldridge

\* Edward H. Reisner, Jr.

### **Committee on Utilization Review**

Robert W. Fraser, Jr., *Chairman*

Eugene R. Bell, D.D.S.

Benjamin H. Balser

Charles F. Begg

Louis S. Blancato

William O. Buell

Graham Clark

John M. Cotton

Hugh F. Fitzpatrick

Francis G. Geer

\* Errol N. Harding

\* By Invitation

Eugene L. Hoch  
Ira S. Jones  
Virginia Kanick  
Russell W. Lavengood, Jr.  
Duncan R. McCuaig  
David M. MacDonald  
Bernard N. Nathanson  
Craig N. Smith  
Stuart S. Stevenson  
Edward Stroh, D.D.S.  
Stanley Whitfield  
Leo F. J. Wilking, Jr.  
Hudson J. Wilson  
Edward M. Winant  
Alexander W. Young, Jr.  
\* Mr. Dennis Harrington

#### **Joint Research Review Committee**

Edward P. Childs  
Robert W. Fraser, Jr.  
Richard B. Stark  
Stuart S. Stevenson  
Harold M. M. Tovell  
Theodore B. Van Itallie  
Myron Wright  
Harold A. Zintel  
Mr. Charles W. Davidson  
C. Glen King, Ph.D.

*Grants Management Director:*

\*Miss Barbara Belmer

*Grants Management Supervisor*

*Three members of the  
Board of Trustees to be appointed*

*Consultants:*

George W. Thorn  
Peter Bent Brigham Hospital  
Leon Israel  
Pennsylvania Hospital

\*By Invitation

## Administrative Staff — 1967

### *Executive Director:*

Charles W. Davidson, B.A., C.P.A.

### *Associate Director for Medical Staff Services:*

E. Grey Gooby, B.A., M.A.<sup>(1)</sup>

### *Associate Director for General Services:*

Carl P. Wright, Jr., A.B.

### *Associate Director for Business Services:*

Robert J. McMillen, B.A.

### *Associate Director for Patient Services:*

F. Dennis Harrington, B.S., M.S.

### *Assistant Directors:*

Mary R. Meehan, R.N., B.S., M.A.

Evelyn M. Peck, R.N., B.S., M.A.<sup>(2)</sup>

Arthur R. Slothower, B.S.

### *Administrative Assistant:*

Erwin O. Blair

### *Comptroller:*

Michael Zacharewicz, B.Sc., C.P.A.

### *Director of Admissions:*

Edward J. Megerian, B.A.

### *Administrative Director, Blood Bank:*

Albert De Natale, Ph.G., Ph.C.

### *Director of Food Services:*

George O'Leary

### *Grants Management Supervisor:*

Barbara J. Belmer, A.B.

### *Executive Housekeeper:*

Edward L. Dotter

### *Director of Laboratories:*

Charles F. Begg, M.D.

### *Laundry Manager:*

Frank Sepkowski

### *Medical Librarian:*

Mrs. Rachael Ambruoso, B.A.

### *Medical Record Librarian:*

A. Rose Taddonio, R.R.L.

### *Director of Nursing Service:*

Mrs. Helen Umamo, R.N., B.S., M.A.<sup>(3)</sup>

Evelyn M. Peck, R.N., B.S., M.A.<sup>(2)</sup>

### *Director of Out-Patient Department:*

Dorothy Wild, R.N.

### *Personnel Director:*

†Robert J. Beaubien, B.S.

Richard De Christorford, B.A., M.A.<sup>(5)</sup>

### *Chief Pharmacist:*

Hugo V. de Caprariis, B.S., Pharm.

### *Chief Medical Photographer:*

George Tanis

### *Superintendent of Engineering:*

Salvador A. Caruana

### *Director of Public Relations and Development:*

Donald I. Selby, B.A.

### *Director of Purchasing:*

Lewis R. Keheley

### *Director of Radiology:*

Nathaniel Finby, M.D.

### *Director of School of Nursing:*

Frances Lee Avella, R.N., B.S., M.A.<sup>(4)</sup>

### *Director of Security:*

Inspector John J. O'Neill

### *Director of Social Service:*

Margaret Rouillion, R.N., B.S., M.S.

### *Supervisor of Sterile Supply:*

Helen Zeleznjak, R.N.

### *Chief Telephone Operator:*

Mrs. Katherine E. Beers

### *Director of Volunteer Service:*

Dorothy R. Rader, B.S.

## Department of Religious Services

### *Director and Chaplain:*

The Rev. Carleton J. Sweetser, B.A., S.T.B.

### *Associate Chaplains:*

The Rev. James C. Walworth, B.A.

The Rev. Alvin V. P. Hart, B.A., S.T.B.

The Rev. C. Leland Udell, B.A.

<sup>(1)</sup> Resigned 6/1/67

<sup>(2)</sup> As of 6/1/67

<sup>(3)</sup> Resigned 6/1/67

<sup>(4)</sup> As of 6/1/67

<sup>(5)</sup> As of 7/1/67

†Deceased

# Hospital Volunteers

Acevedo, Miss Mary  
 Acuna, Miss Jahive  
 Ada, Mrs. Alexander  
 Alexander, Mrs. Tannis  
 Alonso, Miss Shirley  
 Armstrong, Miss Barbara  
 Arnold, Mrs. Adelaide  
 Atherley, Miss Dolores  
 Austin, Miss Judith  
 Axtmann, Miss Molly  
 Badillo, Miss Aida  
 Bailey, Miss Harriet  
 Baker, Miss Kathryn  
 Balsam, Miss Suzanne  
 Banks, Mrs. Charles  
 Banks, Mrs. William  
 Barcan, Mr. Andrew  
 Barjou, Mrs. Henry  
 Barker, Mrs. George P.  
 Barron, Miss Grace  
 Basset, Miss Elsie  
 Bauer, Miss Louise  
 Bell, Mrs. A. L. Loomis  
 Bemis, Miss Marjorie  
 Berson, Mr. Robert  
 Biglow, Miss Anne  
 Black, Miss Virginia  
 Blattner, Mrs. L. E., Jr.  
 Boehmer-Pine, Mr. Hugo  
 Bokkenheuser, Mrs. Victor  
 Bordreaux, Miss Joyce  
 Boubnoff, Mr. Nicholas  
 Boyd, Miss Isabelle  
 Breukel, Mrs. Margaret  
 Brienza, Mrs. Clara  
 Bright, Mrs. Edwin W.  
 Brown, Mrs. Elihu T.  
 Browning, Miss Adele  
 Burford, Mrs. George E.  
 Burkhardt, Mrs. Anna  
 Cabrera, Miss Borinquen  
 Calingasan, Miss Estrella  
 Campbell, Mrs. Alyce  
 Canales, Mr. Joseph  
 Canda, Miss Catherine B.

Candelaria, Miss Lillian  
 Cannady, Miss Rhonda  
 Cantelmo, Miss Nancy  
 Carroll, Miss Marguerite  
 Castillo, Mr. Joseph  
 Catania, Miss Cindy  
 Cavalier, Mrs. Philip  
 Chamberlain, Mrs. Lawrence  
 Chaparro, Miss Nancy  
 Cheh, Mr. Albert  
 Cherry, Miss Celeste  
 Chou, Mr. James  
 Christianson, Miss Eileen  
 Clark, Miss Constance  
 Clark, Miss Edythe S.  
 Clarke, Mrs. Jeremiah  
 Coleman, Mrs. Simmons  
 Collins, Miss Eileen  
 Conley, Miss Christine  
 Connor, Mrs. Elise  
 Coppell, Miss Evelyn  
 Cora, Miss Rosemary  
 Cortez, Miss Elsie  
 Cox, Miss Nancy  
 Cuadro, Mr. Michael  
 Cuadro, Miss Ronnette  
 Cushman, Mr. Paul  
 Dahlquist, Mrs. Reta  
 Dalton, Mr. John  
 Dames, Mr. Nathaniel  
 Darling, Miss Shirley  
 David, Mr. Sami  
 Davidson, Mrs. William F.  
 Debler, Mrs. Emil  
 DeCastro, Mr. Dalton  
 Dell'Edera, Mrs. John  
 Del Vaille, Miss Linda  
 DePinies, Mrs. Felix  
 Diaz, Miss Maritza  
 DiLascia, Mrs. Alfred  
 Djurdjinovic, Miss Luba  
 Dodd, Prof. David  
 Douglas, Mrs. Barclay  
 Douglass, Miss Ella Mae  
 Dunbar, Mrs. Rainford

Edgerton, Mrs. Glenn  
 Edwards, Miss Bonnie  
 Ehrenberg, Mr. Stephen  
 Elman, Mrs. Robert  
 Escoto, Miss Rose  
 \*Estes, Mrs. Young  
 Etzi, Mrs. Massimo  
 Evans, Mrs. Carla  
 Ewald, Mr. Edwin  
 Falasca, Miss Carol  
 Fine, Mrs. Diana  
 Finlay, Mr. Allan  
 Fitzpatrick, Mrs. Hugh  
 Flores, Miss Judith  
 Flores, Miss Lillian  
 Flores, Miss Norma  
 Fowlkes, Mrs. George A.  
 Freeman, Miss Lydia  
 Freeman, Miss Yvonne  
 Futrell, Mr. Joseph  
 Gabel, Mr. Robert  
 Gaccione, Mrs. Anthony  
 Gans, Mrs. Ruth  
 Garcia, Miss Christine  
 Garcia, Mrs. Raymond  
 Gaskins, Miss Judy  
 Gerdine, Miss Naomi  
 Gibbons, Mrs. Thomas  
 Gibel, Miss Kathie  
 Gilbert, Mrs. C. H.  
 Gilbert, Mrs. C. Louis  
 Gilet, Miss Annie  
 Gilpatric, Mrs. Margaret  
 Ginzberg, Mrs. Eli  
 Goldberg, Miss Dorene  
 Goldschmidt, Miss Vivian  
 Good, Mrs. J. Roland  
 Grant, Miss Claudis  
 Grant, Mrs. Wheadon  
 Greene, Mr. Arthur L.  
 Greene, Mrs. Irene  
 Griles, Miss Doris  
 Guilbert, Mrs. Charles M.  
 Guinsbourg, Mr. George  
 Guthrie, Mrs. Randolph H.

- Hahn, Miss Ursula  
 Halford, Mrs. Ralph  
 Halper, Mr. Robert  
 Hamill, Mrs. Eleanor  
 Hance, Mrs. William A.  
 Hanges, Miss Helen  
 Hargray, Miss Lorrence  
 Harmon, Miss Mary  
 Harnick, Mrs. Jay  
 Hartstein, Mr. Norman  
 Harvin, Miss Henrietta  
 Haycox, Mrs. Olive  
 Herdman, Mrs. Marion  
 Hernandez, Miss Aurea  
 Herold, Mrs. Albert  
 Hicks, Mrs. Mary  
 Hill, Mrs. Wililam H.  
 Hitchcock, Miss Catherine  
 Hogue, Miss Helen  
 Holmes, Mrs. Winifred  
 Horn, Miss Thelma  
 Hoyt, Miss Gertrude  
 Huang, Miss Donna  
 Hulswit, Mrs. Fred  
 Hunt, Miss Jane  
 Huntington, Mrs. Samuel  
 Hurley, Mrs. Horace  
 Hyland, Miss Maryanne  
 Ichel, Miss Donna  
 Ida, Mrs. L. N.  
 Jaime, Miss Georgina  
 James, Miss Margaret  
 Jenkins, Miss Mary  
 Jenkins, Mrs. Nathaniel  
 Joannides, Miss Elaine  
 Josephs, Mrs. Eleanor  
 Kaplan, Miss Ellen  
 Kashani, Miss Massi  
 Kaskell, Mrs. Joseph  
 Kean, Miss Lillian  
 Kelley, Mrs. Wilbur R.  
 Kerr, Mrs. William K.  
 Keyser, Mrs. Cassius  
 Kilpatrick, Miss Nan  
 Klein, Mr. Gordon  
 Knapp, Miss Adeline  
 Knecht, Miss Rise  
 Knox, Mrs. Alan  
 Krown, Miss Susan  
 Kuttler, Miss Marie  
 Lam, Mr. Steven  
 Lane, Mr. Michael  
 Lawford, Mrs. Geoffrey  
 Lee, Mr. Gary  
 Leeming, Mr. Leonard B.  
 Leon, Miss Lynette  
 Liaropoulou, Miss Vasso  
 Linker, Miss Rose  
 Lins, Mrs. John P.  
 Lins, Miss Susan  
 Lippincott, Miss Clara  
 Lomino, Miss Rose  
 Love, Miss Melba  
 Ludwig, Miss Linda  
 Lugo, Miss Mary  
 MacCracken, Mrs. Calvin  
 MacDonald, Miss Agnes  
 Mackey, Miss Grace-Ann  
 MacNeill, Miss Lisbeth  
 Majid, Mrs. Abdul  
 Mallett, Mr. Grant  
 Maloney, Mrs. Milton C.  
 Martin, Miss Susan  
 Matossian, Miss Armen  
 Matthews, Miss Grace  
 Mattingly, Mrs. Gertrude  
 Mayhew, Mrs. Peter  
 McCoun, Mrs. Robert  
 McGuire, Mrs. Harold  
 McKay, Mr. Gordon  
 Mead, Miss Katherine  
 Medl, Mrs. William  
 Melendez, Miss Virginia  
 Melkonian, Miss Madeleine  
 Miles, Mrs. Josie  
 Miller, Mr. Gordon M.  
 Mills, Mrs. Cornelia  
 Mintz, Mrs. Nathan  
 Moffet, Mrs. Yolanda  
 Moley, Mrs. Malcolm  
 Molluzzo, Mr. Ronald  
 Moore, Mrs. Gertrude  
 Moore, Mrs. Shirley  
 Moore, Mr. William B.  
 Morello, Miss Lorca  
 Myers, Mr. Steven  
 Nagle, Miss Constance  
 Nagler, Mr. Jerry  
 Navarrette, Mr. Antonio  
 Newmark, Mr. Michael  
 Nickerson, Miss Claudette  
 Nikola, Miss Minnie  
 Nobis, Miss Mildred  
 Norfleet, Mr. Norris  
 Norton, Mrs. William  
 Oakman, Mrs. Carl  
 Oen, Miss Margaret  
 Olstein, Mr. Simon  
 O'Neal, Mrs. John  
 O'Neill, Mrs. Gerald  
 O'Shaughnessy, Miss Mabel  
 Padilla, Miss Maria  
 Perez, Miss Asuncion  
 Pick, Mrs. Olga  
 Pise, Miss Eleanor M.  
 Pol, Miss Betsy  
 Pol, Miss Elizabeth  
 Pollack, Miss Elizabeth  
 Preminger, Miss Nizza  
 Price, Miss Cecelia  
 Randle, Miss Gertrude  
 Rasmus, Miss Elmira  
 Riegger, Miss Ruth  
 Rivera, Miss Edna  
 Riveras, Mr. Danny  
 Robinson, Miss Bernice  
 Robinson, Miss Patricia  
 Rodriguez, Miss Marie  
 Rodriguez, Miss Virginia  
 Rollinson, Miss Ethel A.  
 Romanoff, Mrs. Paul  
 Ros, Mrs. Peter  
 Ros, Mrs. Salvador  
 Rouse, Mrs. Merl  
 Rubin, Mrs. Hermine

Ruffin, Miss Milagros  
 Ryan, Mrs. Clendenin  
 Ryan, Mrs. Michael  
 Salmen, Mrs. Stanley  
 Saltus, Mrs. Ethel  
 Sanborn, Miss Aline  
 Sanborn, Miss Mildred L.  
 Sanchez, Miss Minerva  
 Sanford, Mrs. Hugh  
 Sartori, Miss Ann  
 Saul, Miss Rebecca  
 Schachner, Mr. Jack  
 Schaul, Mr. Jerome S.  
 Schetlin, Mrs. Charles  
 Schoenherr, Mrs. Ann  
 Schuz, Mr. Ludwig  
 Schwartz, Mr. Leslie  
 Schwer, Miss Haia  
 Schwer, Miss Judith  
 Scott, Mr. Willie  
 Sebastian, Mrs. Catherine  
 Serano, Miss Nydia  
 Sevilla, Miss Maria  
 Shand, Mrs. R. Gordon  
 Shaw, Mr. Hollie  
 Shaw, Miss Jane  
 Sheehan, Miss Mary  
 Shields, Miss Mary S.  
 Shimomura, Mrs. Seiichi  
 Slater, Mr. Kenneth  
 Slothower, Mrs. Arthur  
 Smith, Miss Doris  
 Smith, Miss Frances  
 Solinger, Mr. Alan  
 Soulette, Miss Gloria  
 Spear, Miss Helen  
 Spierer, Mr. Robert  
 Stark, Mrs. Richard E.  
 Stein, Mr. Stuart  
 Stevens, Mrs. Edwin P.  
 Stewart, Miss Gwindlon  
 Stitt, Miss Elsie  
 Stothers, Mrs. Hilton  
 Strauchen, Mr. James  
 Streeter, Mrs. John

Sturgis, Mrs. Lovett  
 Sykes, Miss Mabel  
 Tajitsu, Mrs. Ritsu  
 Tansill, Mrs. Duncan  
 Tate, Mrs. Anne  
 Teitel, Mr. Michael  
 Thorne, Miss Mary  
 \*Thweatt, Mr. Alexander S.  
 Toner, Miss Kathleen  
 Tooker, Miss Charry  
 Topson, Miss Madah E.  
 Tracey, Mrs. Ursula  
 Trittipio, Miss Ann  
 \*Twyeffort, Mr. Clarence  
 Uhlinger, Miss Margaret  
 Upjohn, Mrs. E. M.  
 Valentine, Miss Lydia  
 Valicenti, Mrs. J. Mitchel  
 VanBuskirk, Miss Lydia  
 VanItallie, Mrs. Theodore  
 VanLelyveld, Mrs. Peter Paul  
 VanPraagh, Mrs. Ian  
 VanVoorhis, Miss Margaret  
 Vazquez, Miss Aida  
 Vega, Miss Miriam  
 Velez, Miss Janette  
 Vergeichik, Mr. Russell  
 Volta, Mr. Peter  
 Vreeland, Miss Julie  
 Wade, Miss Linda  
 Ward, Miss Mary Ann T.  
 Washington, Miss Susan  
 Watson, Prof. Donald  
 Webb, Mrs. Richard  
 Welch, Mrs. Edmund  
 Weldon, Mrs. Oscar  
 West, Mrs. John  
 Weyher, Mrs. Harry  
 Whelan, Miss Wendy  
 White, Mrs. Cleveland  
 Williams, Mr. Harry  
 Williams, Mr. Lawrence  
 Wilmot, Miss Carolyn  
 Wolfer, Mrs. Donald  
 Wolff, Miss Brenda

Wood, Miss Marguerite  
 Wright, Miss Marcella  
 Wyche, Miss Denice  
 Yard, Miss Elvia  
 Zalles, Miss Maria  
 Zapata, Miss Esther  
 Zawacki, Miss Julie  
 Zayas, Mrs. Ralph  
 Zizes, Miss Gay  
 Zizes, Mrs. Justin  
 Zwibak, Mr. Steven

\*Deceased



# Service Reports and Medical Staffs



# Anesthesiology

Louis S. Blancato, M.D., Director

**D**uring the year of 1966 the Department of Anesthesiology has continued to provide its service to the patients of St. Luke's Hospital Center. In 1966 we noted a slight increase in the statistics over 1965.

## Staff

The staff of the department consists of nine attending anesthesiologists, ten residents, and five nurse anesthetists. The Director plans to increase the staff by the addition of another attending anesthesiologist to provide the necessary coverage of all the clinical aspects and to continue several clinical investigative projects that were started in 1966. The increased demands of the hospital on the service of the department makes it mandatory that it maintain its staff at optimal strength and ability.

Dr. Louis S. Blancato, was re-elected as Treasurer of the New York State Society of Anesthesiologists. He was elected Secretary to the Section on Anesthesiology and Resuscitation of the New York Academy of Medicine. He continues to serve on the Membership Committee of the American Society of Anesthesiology. Another member of the attending staff, Dr. Aino Tuul spent one month in Afghanistan as a member of a MEDICO Team. She took part in teaching and advising the local anesthesiologists. She lectured at the University of Kabul and the University of Jalalabad in Afghanistan and at the Teheran Clinic in Teheran, Iran. Dr. Leonora L. Greteman retired from the attending staff after serving the hospital for over twenty-five years. She was replaced by Dr. Joseph Iacoveilli who returned to St. Luke's after an absence of one year. The department received

approval for one of its residents for a third year in anesthesiology. Dr. Robert Lin spent this year in the Cardiopulmonary Laboratory, in the Surgical Research Laboratory and as part of the Cardiac Surgery team. In May of 1966 Dr. Blancato addressed the meeting of the Middle Atlantic Association of Nurse Anesthetists at Atlantic City. His talk was entitled "Anesthesia for Cardiac Surgery".

## Activities

During 1966, the Cardiac Surgery program continued at full strength and the anesthesia department was intimately associated with it. It continued the use of the technic of balanced anesthesia which was started in 1965. The Woman's Hospital Division was in full operation in 1966 and an increase in the statistics of the Obstetrical Division was noted. The anesthesia department has provided twenty-four-hour physician coverage for Obstetrics and its use of regional anesthesia for Obstetrics has been very successful and well received. This facet of service by the anesthesia department has been absorbed into its daily routine in spite of it being a very demanding type of coverage. The bulk of the activity of the department has been the continuation of its training program for the resident staff. Basic Science lectures were given bi-weekly by the members of the attending staff. Several guest speakers were invited to address Weekly Departmental Conferences. The Weekly Journal Club, the Monthly Morbidity-Mortality Conference and the Case Presentation Conferences were conducted.

During the year several clinical projects were started. One of these was a study of the use of intravenous lidocaine with general anesthesia for endoscopies. This project was carried out by Dr. Alfred T. C. Peng and Dr. Louis S. Blancato. The department of Otolaryngology assisted in this project. The data accumulated in this study was the basis of an article which was sent to the Archives of Otolaryngology for publication. Another project was undertaken with the Obstetrical Department under the direction of Dr. Ennio Gallozzi with Dr. Alfred T. C. Peng. The study was to determine the influence of maternal pH, PCO<sub>2</sub> and PO<sub>2</sub> on the fetus during de-

livery under general anesthesia for vaginal delivery and cesarian section. The Anesthesia Department became involved in a research project with the Surgical Research Department. Dr. Peng together with Dr. Takagi attempted to study the hepatic effects of halogenated anesthetic agents on an anoxic liver. This project will continue into 1967.

### Statistics

There were a total of 10,620 anesthetics administered in 1966. Of this total, 4,474 were for ward patients at St. Luke's Hospital Center and the Woman's Hospital Division; and 6,036 were for private and semi-private patients at both institutions. Most of the specialties showed an increase over 1965. The breakdown of the total was as follows: General Surgery (including Pediatric, Plastic, Cardio-vascular and Neurosurgery) was 3,303; for Genito-urinary 755; for Orthopedic Surgery 849; for ENT 692; Ophthalmology 265; Gynecology 3,033; and Obstetrics 1,723.

In addition to surgical and obstetrical anesthesia the department provided anesthesia for Cardiac Catheterization, Cardioversions, and EST. The department maintained its coverage and supervision of the recovery room and coverage to the Intensive Care Unit. It answered all hospital wide calls for Cardiac Arrest and comatose patients.

The department expects to provide the same services and any other it may be called upon to render in the coming year.





# Dermatology

Alexander W. Young, Jr., M.D., Director

The members of the Staff of the Department of Dermatology are anxious to express their appreciation to Dr. Leslie P. Barker who retired as Director in January 1967, for his long service and leadership. Dr. Barker established the Dermatology Service as an accredited resident training program in 1942 and has maintained the high standards of teaching throughout his tenure. Although Dr. Barker has been promoted to Consultant he still attends the Clinic and remains active in the training program.

Dr. Barker is succeeded by Dr. Alexander W. Young, Jr. as the first full-time Director of Dermatology at St. Luke's Hospital Center. Dr. Young joined St. Luke's in 1952 and was engaged in private practice in New York City.

## Patient Services

During 1966 out-patient visits to the Dermatology Clinic numbered 5,039. Approximately three hundred in-patients were treated or seen in consultation with other services. One hundred fifty specimens were examined for fungi. There were 48 cases of syphilis treated during the year, 23 of which were in the primary, secondary or early latent stage. This is a 50% decrease over 5 years.

In addition to the regular patients seen in the Clinic and hospital, plans were made with the Departments of Medicine, Pediatrics, and Obstetrics and Gynecology to establish an inter-departmental exchange where patients admitted to the respective service would be available for special study and consultation.

## Staff Activity and Research

A variety of studies on clinical subjects including pathology are



under way. Dr. Leslie Barker is continuing his studies of cutaneous conditions of the female genitalia. A clinical paper on this subject is to be published in the near future. Dr. Perry Sachs and Dr. Alex. Young are preparing a protocol for the histological examination of exfoliative cytology of the buccal mucus membrane in patients with skin disease. In addition, Dr. Sachs is studying the pathogenesis of lentigines and their relation to the precancerous dermatoses. Dr. Herbert Kraut is completing his study of the treatment of common verrucae using a combined technique with 5 FU, an antimetabolite. Dr. Young has recently completed a paper on pruritus in the elderly patient and is continuing his work on the dermatopathology of skin disease in the elderly, senile tibial nodules and senile seborrhea.

Dr. Peter C. Lombardo joined the dermatology staff in July 1966. Dr. Lombardo has recently completed residency in Dermatology at the Presbyterian Hospital, College of Physicians and Surgeons and a year's residency at St. Luke's Hospital Center. He is presently engaged in study of Kveim reaction in sarcoidosis.

Dr. Roy A. Stevens and Dr. Eugene Sweeney, both graduate residents in Dermatology of St. Luke's are continuing on in the Clinic and take an active part in the clinical teaching program. Both have started an active private practice on Long Island and in New Jersey, respectively.

Dr. W. Ralph Barbee joined the Department as a first year resident in Dermatology in July 1966. Dr. Leon Miller was promoted to chief resident. Dr. Barbee and Dr. Young are planning further use of the Dermatogeriatric Index: Health Questionnaire to be used in the Skin Clinic. Dr. Miller is engaged in the study of acquired hypochromia, a condition which is frequently encountered in the clinic population. Both Drs. Barbee and Miller have prepared cases of interest and diagnostic problems for presentation before various dermatological societies and presented seminars on various subjects to the group.

## Conferences

Weekly conferences are held by the staff. Various subjects are presented which include clinical presentations, special demonstrations

and lectures. Emphasis is placed upon dermatopathology under the direction of Dr. Perry Sachs who discusses this aspect of current and "study" histological sections.

### Social Service

Mrs. Margaret Lindsey who has been succeeded temporarily by Mrs. Phillis Young has been repeatedly complimented by the Department of Health for her excellent follow-up and reports on contagious and infectious diseases, especially syphilis treated in the Clinic.

We wish to thank Dr. Charles F. Begg for the cooperation of the Department of Pathology in preparing histological sections and for making available the facilities of the Department Conference Room for dermatology staff meeting.

We also wish to thank Dr. Victor Bokkenheuser for his help in bacteriology and mycology.



# Medicine

Theodore B. Van Itallie, M.D., Director

The modern teaching hospital is an arena in which many competitive events take place. The first and foremost competition is, of course, with disease and disability. There are more: because of bed shortages and long waiting lists there is competition for patient admissions. Because of shortages of newly-trained physicians there is keen competition with other hospitals for interns, residents and fellows. Because of shortages of well-trained subspecialists who can teach and conduct research it is necessary to compete with other institutions for the services of full-time "physician-scientists". A relative lack of research funds leads to competition for grants and fellowship awards. As the number of clinical investigators in the hospital increases the competition for laboratory space intensifies, both within and between clinical services. City hospitals attempt to compete with voluntary hospitals by greatly increasing their budgets for plant, education and research. Hospitals compete with one another for medical school affiliation and for the opportunity to train undergraduate medical students. The medical schools are under great pressure to increase enrollment and they in turn must compete with other institutions for faculty and for "teaching beds".

One could continue to list at great length the many tender spots in hospital operation. The point, however, is to stress that these problems are closely interrelated; they cannot be effectively dealt with on a piecemeal basis, but must be viewed as sort of a structure of which the "primary" problems are the foundation upon which the "secondary" problems rest. Thus, the solution of primary problems is likely to lead to the more ready solution of secondary problems,

while isolated attempts to solve secondary problems generally result in frustration.

If the essence of the superior hospital is the quality of its professional staff then the standards of excellence that are set and maintained are fundamental. Any compromise with these standards may lead to a downward spiral of quality in which one compromise begets another. But as a practical matter, standards are not enough. The attraction of a high quality staff ultimately requires not only good clinical facilities but the presence in the hospital of vital and stimulating teaching and research programs and such activities are conducted to a major degree by full time physicians-scientists who are committed to a career of teaching and research. With notable exceptions, few teaching hospitals can remain competitive with their peers unless they can develop a meaningful affiliation with a medical school. Such an affiliation is indispensable if the highest quality teachers and investigators are to be attracted to the hospital setting.

These primary problems — of excellence, the need for a meaningful medical school affiliations and of the funding that is required to implement such concepts — are now understood by many hospital trustees and administrators. For this reason, certain teaching hospitals that have declined because of past lack of vision and initiative are now redoubling their efforts to regain lost ground. However, between the appreciation of primary problems and their solution lies a gap that is not readily bridged. Many ingredients are needed, and identification and definition of a problem are only steps toward its solution.

In this field of competition St. Luke's Hospital Center and its Medical Service have moved ahead with great resolution and rapidity. However, the very success St. Luke's has experienced by virtue of its growing commitment to an academic program has also rendered it vulnerable. This is because the rapid progress of the Hospital Center has given rise to the expectation that forward movement would continue. Thus, conscious and unconscious investments have been made in the Hospital Center, not only because of its present status but because of its great potential for further development. Indeed,

investments in "growth stocks" are necessarily based on continuing evidence of growth.

The problems associated with growth are inevitable and almost to be welcomed as evidence of ambition and vitality. In contrast, the problems that arise when forward motion slows drastically or ceases may be symptomatic of a fundamental disorder within a hospital, requiring thoughtful diagnosis and, often, heroic treatment.

Happily, the St. Luke's of 1966-1967 is still moving rapidly ahead and expectations remain high. It is to be hoped that in the next few years many of the goals for which the Hospital Center is now striving will have been realized, that still further goals will have been set and that the exciting sense of forward motion which now pervades the institution will not have been lost.

T.V.I.

### Staff Activities

In 1966, the Medical Service was represented in the scientific literature by 36 publications. This reflects the activity in clinical and laboratory research of the department, and it is gratifying to see its steady growth. Many individuals of the department gave of their time during the year for outside lectures, seminars, and other teaching exercises at various hospitals and conferences; these are too numerous to be able to cite individually. Dr. Theodore B. Van Itallie continued service on two subcommittees of the National Research Council (Role of Dietary Fat in Human Health and Recommended Dietary Allowances). Dr. Van Itallie was also appointed to the Council on Foods and Nutrition of the American Medical Association and to the Scientific Advisory Committee of the Nutrition Foundation. He was elected Vice-President of the American Board of Nutrition.

Dr. William Norton was re-elected to an unprecedented third one-year term as President of The Medical Board of St. Luke's Hospital Center. Dr. Myron Wright was elected Vice President. Dr. Christakis, Research Associate in Medicine, was made Assistant Dean of the Mount Sinai School of Medicine.

Dr. Sami Hashim presented a paper at the Third World Congress in Gastroenterology in Tokyo. Dr. Gilbert Cherrick presented a paper



of Dr. Peter Holt's at the same Congress. Dr. Richard Crampton was elected an Associate in the American College of Physicians. Dr. Paul Torrens was appointed to the Advisory Council of the Columbia University School of Social Work for a three year term. Dr. Richard Keating was named President of the Bergen County, New Jersey, Public Health Association.

Attending physicians continued to give their time unstintingly in the wards, in the clinics, and at conferences, for the training of the house staff.

During 1966 the neurological group within the department was given divisional status. The first chief of the division of neurology is to be Dr. Samuel F. Thomas. At the same time, arrangements were completed for the return to St. Luke's of Dr. Carl Braun, a former resident in medicine, who is currently finishing training in neurology at the Neurological Institute. Dr. Braun will be a member of the Neurology Division and will begin his staff duties on July 1, 1967.

### Patient Care and the Teaching Program

During 1966, there were 3,762 medical admissions divided fairly equally between ward (1,209), semi-private (1,308), and private services (1,255). There was a total of 68,818 patient days for medical patients in these categories; there were 23,814 patient days on the wards alone. The medical ward occupancy rate for the year averaged 98% with an average daily ward census of 75. Not included in these figures are the six beds in the Intensive Care Unit allotted to medical ward patients.

There were 72,419 visits to the Emergency Room and 41,390 visits to the general medical and medical subspecialty clinics.

The Medical Service Audit Committee continued to examine 5% of the hospital medical admissions for evaluation of patient care and hospital utilization.

The Medical Service continued to participate actively in the teaching of medical and graduate students from Columbia University. The usual elective course in physical diagnosis was given in the spring for 32 second year students under the direction of Dr. A. L. Loomis



Bell. Dr. James G. Hilton continued to supervise the training of fourth year students assigned to the wards as clinical clerks. A large group of preceptors drawn from the attending staff of the department participated in the fourth year teaching program.

Three postgraduate courses in medicine were offered to the medical profession in conjunction with the postgraduate teaching program of the College of Physicians and Surgeons. The courses were: Clinical Cardiology (Dr. E. P. Childs and associates), Clinical Hematology (Dr. John F. Bertles and associates), and Clinical Nutrition and Metabolism (Drs. Van Itallie, Hashim and associates).

Members of the medical service staff also participated in medical student teaching at the Columbia-Presbyterian Medical Center. Dr. Van Itallie made Chief-of-Service rounds at the Presbyterian Hospital during July and August. A number of staff members taught fourth year students in group clinic at the Vanderbilt Clinic.

## Research

### *Allergy Laboratory*

The chief laboratory project involves the attempt to demonstrate the significance of bacterial hypersensitivity in infectious asthma. A technique for the fluorometric assay of histamine has been established. Thus far, studies of leukocyte histamine release with extracts of *Neisseria*, *Streptococcus viridans* and *Staphylococcal* teichoic acid and Tetanus Toxoid have failed to reveal significant histamine liberation. Apparently, wheal-and-flare cutaneous responses to teichoic acid and tetanus toxoid are not mediated by histamine release.

Previous evidence had suggested that the mechanism of atopy appears to involve an abnormal reactivity to allergic mediators and that asthmatic patients may have a specific malfunction of the autonomic nervous system. A study has been performed, in cooperation with Dr. R. N. Pierson, Jr., of the circulatory responses of eleven asthmatic and six normal subjects during infusions of isoproterenol, epinephrine, and methoxamine. Blood pressure, heart rate, cardiac index, stroke volume index, and peripheral resistance index were

measured. Increased myocardial chronotropic and inotropic stimulation occurred with isoproterenol in asthmatics; findings which are inconsistent with a previously suggested hypothesis implicating a state of beta adrenergic blockade in the circulatory state of asthmatic subjects. However, epinephrine infusion in asthmatic subjects resulted in a similar rise of mean blood pressure as compared to normal, but was characterized by a lesser rise of heart rate, and significantly greater increase of cardiac index. Asthmatics showed a significantly decreased peripheral resistance index, while normals showed no change. Thus, asthmatic patients appeared to demonstrate increased myocardial inotropic, but not chronotropic, beta-adrenergic receptor sensitivity, and increased peripheral blood vessel alpha-adrenergic receptor sensitivity. In this study, findings suggestive of a partial beta-adrenergic blockade in the asthmatic patient were not demonstrated.

In cooperation with the Allergy Institute at the Roosevelt Hospital, 30 patients with uncomplicated perennial rhinitis have been studied for their respiratory response to aerosols of mecholyl. Fifty per cent of patients studied have demonstrated significant decrease of expiratory flow rates, FEV<sub>1.0</sub> sec., with aerosolization of 10 and 25 mg mecholyl/ml. These findings indicate that approximately 50% of patients with perennial rhinitis have an asthmatic diathesis. Long-term follow-up studies are planned to determine whether the future development of asthma are related to this mecholyl response.

ALLERGY RESEARCH LABORATORY STAFF

Michael H. Grieco, M.D.

Part-time

Director

*The Cardiopulmonary Laboratory*

Under the direction of Dr. Oswald Jones and Dr. A. L. Loomis Bell, Jr., the Laboratory continues in its activities of basic and clinical research combined with its specialized diagnostic services in the catheterization laboratory and pulmonary function laboratory. This year Dr. C. Redington Barrett, Jr. joined the full-time Staff as research associate.

### *Research Activities*

Studies have been continued on the regulatory mechanisms of pulmonary vascular resistance, utilizing a method of perfusion of the wedged pulmonary segment in the intact animal. While alteration of pH,  $\text{PCO}_2$  and  $\text{PO}_2$  of the perfusing blood are observed to produce changes in the perfusion pressure, the overriding effect of a high hydrogen ion concentration has been verified, while a low partial pressure of oxygen in the perfused blood has very little effect in the lung normally ventilated with room air.

Left ventricular function has been studied in patients with valvular heart disease, by measuring maximum rate of isometric pressure increase in the left ventricle and plotting this value against end-diastolic pressure for that beat. In atrial fibrillation, analysis of a number of beats permits a line to be derived, the slope of which is correlated with other parameters of myocardial function, as well as with the clinical course of the patient following surgical relief of the mechanical defect by valve replacement.

The influence of hyperventilation on carbon monoxide uptake and diffusion capacity is being studied in normal subjects and patients with chronic pulmonary diseases. CO uptake and diffusion capacity, measured at rest and during periods of controlled hyperventilation, increase proportionately with increase in minute and alveolar ventilation. More critical differences in CO uptake and diffusion capacity in healthy versus diseased patients are found during hyperventilation than with resting ventilation. Similar studies are also being performed on children from the ages of seven to fourteen years, in order to establish normal values, as well as to investigate the feasibility of early detection of lung function impairment by this technique. The CO uptake and diffusion capacity studies are applied in a group of virus-infected dogs and are being compared with infection-free animals in another related project.

Utilizing the electron microscope, Dr. Stephen Ryan, in conjunction with Dr. Charles Begg in the Department of Pathology, has undertaken a comprehensive study designed to investigate the fine

structure, metabolism and marked alterations in the interstitium or basement membrane of the pulmonary alveolar system. As a first step, the influence of two known mediators of acute inflammatory response, histamine and serotonin, on the fine structure of this membrane and the endothelium of its small blood vessels are being investigated.

### *Clinical and Teaching Activities*

In the catheterization laboratory, 341 heart studies were done, including right and left heart catheterizations in congenital and acquired heart disease in children and infants. It is interesting to note that 44 of these procedures were of pacemaker catheter placement, where the procedure was of definitive therapeutic benefit to the patient, often life saving. In the pulmonary laboratory, 576 pulmonary function studies were done, while 19,965 treatments were administered in the Pressure Breathing Clinic.

Members of the Laboratory are heavily represented in the activities of the Emphysema Clinic and Cardiac Clinic, and in the weekly Pulmonary Conference, Combined Cardiac Evaluation Clinic and the Cardiology Conference. Among his many teaching activities, Dr. Bell conducts the Physical Diagnosis Course for second year medical students from the College of Physicians & Surgeons, and members of the Laboratory, as well as other members of the Medical Service, take part in the bedside teaching.

#### CARDIOPULMONARY LABORATORY STAFF:

A. L. Loomis Bell, Jr., M.D.	Full-time	Director
Oswald R. Jones, M.D.		Consultant
Seiichi Shimomura, M.D.	Full-time	Associate Director
C. Redington Barrett, Jr., M.D.	Full-time	Research Associate
Veljko J. Krstulovic, M.D.	Full-time	Research Associate
Stephen F. Ryan, M.D.	Full-time	Research Associate (assigned in Pathology)
Lucy H. Swift, M.D.	Part-time	Pediatric Cardiologist
Airlie A. C. Cameron, M.D.	Full-time	Research Trainee
Michael R. Dubin, M.D.	Full-time	Clinical Trainee

### *The Community Health Studies Unit*

The two major features of the Community Health Studies Unit activi-

ties during the past year have been the development of a special program in continuing education with general practitioners in the community and the initiation of a small pilot project for the out-patient treatment of narcotics addicts.

Under the direction of Dr. Isabelle Blum and Dr. Kenneth Weinstein, the Community Health Studies Unit has established a special program in continuing medical education for the general practitioners in the West Side Community. Meeting every Wednesday and Thursday evenings, approximately 200 general practitioners take part in the courses. All of the sessions are held in the Hospital's auditorium and are conducted by St. Luke's Hospital Center physicians.

In addition to the formal courses, Dr. Blum and Dr. Weinstein have also set up an Office of Community Physician Relations to assist those physicians who wish to refer patients to St. Luke's Hospital for diagnostic evaluation or treatment. The Office serves as a central point to which these physicians can turn when they want information or assistance with matters concerning their patients.

In cooperation with the staff of the Beth Israel Hospital Center and several researchers at Rockefeller University, the Community Health Studies Unit has started a small pilot project in the out-patient treatment of narcotics addiction with the drug, Methadone. This program is under the direction of Dr. Beatrice Berle and has attracted widespread attention and enthusiasm.

The two satellite offices which the Community Health Studies Unit established last year, continue to function well, both for the purpose of gathering information about the community and for providing assistance to the community in the area of medical care. One of these satellite offices is maintained in a middle-income housing project; the other is maintained in a low-income public housing project.

During the past year, the Community Health Studies Unit continued to sponsor a monthly series of seminars on "Social Problems in the Health Field" in cooperation with the Bureau of Applied Social Research at Columbia University. This series of seminars carried on under the direction of Dr. Jane Hauser has attracted both speakers and audiences from all over the country.

In the area of teaching, the Community Health Studies Unit continues to take part in a variety of graduate and undergraduate training programs. For the fifth year in a row, medical students from various parts of the country were brought to St. Luke's Hospital under the New York City Health Department's summer research training programs in public health. Also, for the third year the Community Health Studies Unit was responsible for the field training of graduate students in public health nursing from the New York University Master's degree program in public health nursing. The Community Health Studies Unit also served as a field training site for graduate students in Social Work from the New York University School of Social Work. In addition, the Unit was involved in the field training of nursing students from the Cornell University School of Nursing and the St. Luke's Hospital Center School of Nursing. Research already in progress prior to this year has continued and expanded. The study of patients with congestive heart failure receiving care at St. Luke's Hospital Clinic completed its third year. The study of the health needs of middle-income older adults at Morningside Gardens also entered its third year and has continued to provide a wealth of information about the provision and financing of medical care to these patients.

#### COMMUNITY HEALTH STUDIES STAFF:

Paul R. Torrens, M.D., M.P.H.	Full-time	Director
Jane Z. Hauser, Ph.D.	Full-time	Research Associate
Coenraad R. Westermann, M.D.	Part-time	Research Associate
Kenneth W. Weinstein, M.D.	Full-time	Research Associate
Beatrice B. Berle, M.D.	Full-time	Research Associate
Isabelle Blum, M.D., M.P.H.	Full-time	Research Associate
Robert W. Mack, M.D., M.P.H.	Full-time	Research Associate
Frederick M. Mott, M.D.		Consultant

#### *Laboratory of Experimental Cardiology*

Research work in this laboratory is centered about an attempt to determine the metabolic disturbances of the heart during angina pectoris resulting from coronary artery disease. This has been the main theme of research in this laboratory for the past several years and many significant advances have been made in this area. An attempt is being made to correlate the metabolic, ionic, hemodynamic and



electrocardiographic alterations observed during myocardial ischemia. This work has been greatly accelerated by the acquisition last year of an AutoAnalyzer capable of performing biochemical determinations at the rate of 40 per hour. This allows continuous sampling from the heart during the episodes of experimental coronary insufficiency, and will provide us with a much clearer understanding of the changes which occur in the human heart during an episode of angina.

One of the important aspects to be studied is a clearer relationship of the electrocardiographic changes to coronary insufficiency and a correlation of these changes to the metabolic disturbances which occur. It is hoped that a better knowledge of this altered metabolism of the heart will allow newer methods of diagnosis in treatment of coronary disease.

The members of the Laboratory also actively participate in clinical care of patients. Dr. Case continues to serve as Chief of the Cardiac Consultation Clinic, Riverside Branch, Department of Health of the City of New York, and is assisted there by Doctors Roven and Crampton. These doctors also continue to serve in both children's and adult cardiac clinics at St. Luke's Hospital.

#### LABORATORY OF EXPERIMENTAL CARDIOLOGY STAFF:

Robert B. Case, M.D.	Full-time	Director
Richard S. Crampton, M.D.	Part-time	Assistant Director
Robert B. Roven, M.D.	Part-time	Research Associate
Michel G. Nasser, M.D.	Full-time	Research Fellow

#### *Gastrointestinal Unit*

The research work of the Gastrointestinal Unit has continued to concentrate on studies of the intestinal absorption and metabolism of lipids and on aspects of hepatic enzymology.

During the past year utilizing an animal preparation in which maximal intestinal absorptive capacity could be readily studied, we have demonstrated that when two lipids of differing classes were presented to the intestinal mucosa competition for transmucosal lipid transport would occur. We have studied the medium chain triglyceride (MCT) trioctanoin and a typical long chain triglyceride (LCT) triolein and distinct depression of LCT absorption could be demon-



strated. This reduction in LCT absorption was not due to inhibition of pancreatic lipolysis or intestinal micelle formation and probably occurred at the intestinal mucosal membrane. Studies to clarify the precise site of competition for lipid absorption are presently in progress. When a mixture of medium and long chain triglycerides was provided there was greater maximal absorption of total lipid (measured as stearic acid or caloric equivalents) than when either MCT or LCT were infused singly, suggesting that such mixtures may be useful in patients whose intestinal mucosal absorbing surface is greatly reduced. An attempt to enhance the maximal intestinal absorptive capacity of MCT as the triglyceride in pancreatic diverted animals by the use of dimethyl sulfoxide (D.M.S.O.) was unsuccessful, suggesting that water flux in mucosal pores is not rate-limiting in intestinal trioctanoin absorption. Previous studies of small intestinal metabolism of octanoic acid during the absorption of MCT had shown that significant utilization of octanoate with  $^{14}\text{CO}_2$  and ketone production occurred. In addition, it has been shown that octanoate spared glucose as a substrate for intestinal metabolism and induced enhanced triglyceride synthesis. These observations suggest that MCT may be useful in intestinal metabolism in glucose depletion states.

We have previously shown the success of MCT therapy in patients with differing forms of malabsorption and in order to freely use this material clinically it is important to study its metabolic fate in the body. We, therefore, studied the appearance of this lipid in the liver. During maximal intestinal absorption of trioctanoin, a maximum load of octanoic acid is transported in the portal vein and perfuses the liver *in vivo*. Octanoic acid- $^{14}\text{C}$  was incorporated into  $^{14}\text{CO}_2$ , ketones and other water soluble metabolites in the liver and in addition appeared in long and medium chain length triglycerides. An active hepatic lipase was detected that readily hydrolyses both long and medium chain triglycerides and is probably important in the turnover of these lipids *in vivo*. These observations suggest that during treatment of patients with malabsorption with medium chain lipids, the absorbed fat not only is readily oxidized but participates in other important metabolic reactions in the liver.

Our studies of the release of the liver enzyme alcohol dehydrogenase (ADH) into the serum in patients with hepatobiliary disease have been pursued. It has clearly been shown that ADH may be readily detected in the serum in acute hepatocellular injury but that the serum level of the enzyme falls rapidly after the injury subsides. When cholestasis supervenes, however, as in patients with cholestatic hepatitis or early biliary cirrhosis, the serum ADH may remain elevated for a considerable period. Experimental studies of carbon tetrachloride induced liver injury in rats has shown that biliary clearance of alcohol dehydrogenase (in contrast to glutamic-oxalacetic transaminase and lactic dehydrogenase) appears to be an important mechanism for disposition of ADH that is released from the liver. These findings may explain the clinical observations described above. It has been possible to partially purify hepatic alcohol dehydrogenase and to detect 5 isoenzymes by electrophoresis. The substrate specificities of these isoenzymes are presently under investigation. We hope to determine particularly whether alcohol and Vitamin A may compete for enzyme reactions.

A five-year training program in Gastroenterology was approved by the N.I.H. during the year.

The Gastrointestinal Unit has continued to provide consultation services and special techniques for patients at the hospital. All the members of the Unit have participated in the general teaching program of the hospital. Twice weekly ward rounds, monthly planned conferences and research seminars, twice monthly clinical-pathology correlative conferences have been held. These are open to all members of the Medical Service.

#### GASTROINTESTINAL UNIT STAFF:

Peter R. Holt, M.D.	Full-time	Director
Susanne Bennett-Clark, Ph.D.	Full-time	Associate Physiologist
David Chalfin, M.D., Ph.D.	Part-time	Research Associate
Gilbert R. Cherrick, M.D.	Part-time	Clinical Associate
John J. DuBois, M.D.	Part-time	Clinical Associate
Charles A. Flood, M.D.	Part-time	Endoscopist
Esteban Mezey, M.D.	Full-time	Research Fellow
Michael Gang, M.D.	Full-time	Research Fellow

*Hematology Unit and Arthur H. Bunker*  
*Hematology Research Laboratory*

Ongoing research in 1966 included the following:

1. Biosynthesis of multiple hemoglobins. Severe hypoxia and a metabolic antagonist have, individually, been shown to alter disproportionately the synthesis of the adult duck's two hemoglobins *in vivo* in our laboratory. We are now testing the effect of puromycin, known to interrupt protein synthesis at the messenger RNA site, *in vitro* where its mechanism of action can be closely examined. Preliminary data indicate that this agent too can preferentially affect synthesis of one of the two hemoglobins. The clinical state which motivated this research is Hb SS disease (sickly cell anemia), wherein small changes in the relative proportions of Hb's F and S produce marked changes in erythrocyte life-span.

2. Irreversibly sickled cells (ISC's). We have recently found that the Hb F content of ISC's is significantly lower than that of non-deformed erythrocytes in Hb SS disease, and that the hemoglobin within ISC's is not sickled. Thus the membranes are "sickled", but the hemoglobin is not. Electron microscopy is now being employed to investigate the membrane morphology of ISC's and freshly sickled cells. Construction of one laboratory housing the Unit's Siemens electron microscope was finished and the microscope is now in operation.

The Unit continues to train the hospital's resident physicians and is responsible for postgraduate course PM61, under the Faculty of Medicine of Columbia University, in Clinical Hematology.

HEMATOLOGY UNIT AND ARTHUR H. BUNKER HEMATOLOGY RESEARCH LABORATORY STAFF:

John F. Bertles, M.D.	Full-time	Director
Johanna Dobler, M.D.	Full-time	Research Assistant in Electron Microscopy
Jonas M. Goldstone, M.D.	Part-time	Clinical Assistant
Frederick Flatow, M.D.	Full-time	Research Fellow

*Nutrition and Metabolic Research Unit*

During the year 1966, the laboratory for nutrition and metabolic research has been moved to the tenth floor of the Woman's Hospital.

The entire floor consists of well equipped research laboratories. The Metabolic Ward, located on the 9th floor accommodates six patients for study.

Long term use of cholestyramine, a bile acid sequestering resin in the treatment of hypercholesteremia in man, is a continuing study by the Unit. Over the years, we have accumulated a series of over 50 patients with hypercholesteremia, with and without xanthomatosis. Most of these subjects continue to ingest cholestyramine (13.3 gm/day), and a few of them have taken the resin for as long as seven years without interruption. The consequences of long term fecal bile acid sequestration in man have been: (1) maintenance of initially lowered cholesterol levels; (2) freedom from systemic side effects; (3) sustained increase in fecal bile acid output as compared with pretreatment values; (4) visible evidence of disappearance of plane xanthomas; (5) "empty-bag" feel to the tuberous xanthomas; (6) lack of recurrence of surgically excised xanthomas; (7) electrocardiographic evidence of improvement in coronary disease in patients with concurrent angina pectoris; (8) subjective improvement in anginal symptoms and increased tolerance to physical effort.

A procedure for measuring the various bile acids and neutral sterols in alcoholic extracts of human feces was developed by Dr. Fontanares, and presented at the Federation meetings. The procedure involves the separation and quantification of bile acids and neutral sterols on a single glass fiber paper chromatogram by use of two separate solvent systems. The technique is applicable to measurement of sterol output in metabolic studies in man involving large numbers of samples.

Amelioration of experimental steatorrhea in man induced by large doses (30 gm/day) of cholestyramine in normal subjects has been observed in subjects ingesting tripelargonin as their sole fat source in the diet. Our group originally reported on the phenomenon of steatorrhea in man induced by cholestyramine and its abolition by concurrent administration of the surfactant Tween 80 or medium chain triglycerides composed principally of caprylate and capricate. These studies were reported in September, 1966, at the Third World

Congress of Gastroenterology in Tokyo.

By use of  $^{14}\text{C}$ -labeled cholesterol the study of the turnover of cholesterol esters in man has been undertaken. It has been shown that a decreasing order of turnover of  $^{14}\text{C}$ -labeled esters occurs as follows: cholesterol linoleate, cholesterol oleate, and cholesterol esters bearing saturated fatty acids.

The patient with chyluria who constituted part of our original report on the use of medium chain triglycerides (MCT) in the treatment of abnormal chylous fistulas has been maintained on MCT for approximately six years. Studies of the present fatty acid composition of his adipose tissue, red cells, and plasma lipid esters are in progress. In addition, studies of carbohydrate tolerance and nitrogen balance have been made. Also, the patient's hyperketonemic and insulin responses to acute oral loads of MCT have been obtained. Studies thus far indicate that this patient's adipose tissue continues to be free of medium chain fatty acids albeit such acids predominate in his dietary intake.

Our report describing the induction of a moderate degree of hyperketonemia in man by administration of MCT-containing meals has been published. A second report is in preparation describing the effect of such MCT-induced hyperketonemia on carbohydrate tolerance. The results of this study indicate that the hyperketonemia did not interfere with the normal disappearance of intravenously administered glucose. Also, evidence has been obtained that ketoacids may be insulinogenic in experimental animals. The notion is being tested by observing the effect of experimentally induced hyperketonemia in man on insulin secretion.

The original report by our group on the use of MCT in the treatment of steatorrhea associated with chronic pancreatitis has been extended to include a variety of other types of malabsorption. Our studies on the use of MCT in the treatment of malabsorption associated with massive resection of the small intestine has been published. MCT appears to be gaining acceptance as part of the armamentarium in the management of patients with malabsorption. Our group participated in a national symposium sponsored by the University of

Pennsylvania dealing with malabsorption, transport and metabolism of MCT.

During the year an interesting phenomenon involving the transport of undecanoate was observed. Rats with thoracic duct cannulas were fed acute loads of homogenized triundecanoin. It was found that undecanoate traveled in the thoracic duct in triglyceride form as part of the chylomicron transport system. The amount of undecanoate absorbed via chyle amounted up to 50% of the administered load. The chyle was clearly lactescent several hours following intragastric installation of triundecanoin. Thus, it was clear that by increasing the chain length of the odd numbered fatty acid on the triglyceride by two carbon atoms from C9 it was possible to alter the route of transport of the fatty acid. In this way the chances of enriching the adipose tissue with an odd numbered fatty acid such as undecanoate have been increased significantly. Moreover, such an enrichment of adipose tissue would occur in the intact animal. A preliminary report describing the transport of undecanoate in chyle was presented by Dr. Linares at the Federation meetings. Further studies of absorption, storage, transport and metabolism of these interesting glycerides are under active investigation.

Studies of the effect of intravenous infusion of a medium chain fatty acid, octanoate, on the dynamics of glucose transport, ketogenesis, and insulin secretion are being investigated. It was observed that a constant infusion of sodium octanoate resulted in striking hypoglycemia in the unanesthetized dog with indwelling catheters surgically implanted in the portal vein, hepatic vein and splenic artery. The mechanism of this hypoglycemia has been under investigation. It was found that the mild degree of hyperketonemia in response to octanoate infusion during the hypoglycemia was not associated with enhanced insulin secretion. Moreover, administration of glucagon during the hypoglycemia was associated with prompt glycogenolytic response. During the hypoglycemia, peripheral (splanchnic) glucose utilization was unaltered. Studies of the glucose gradient across the liver, together with hepatic blood flow, indicate that the hypoglycemia is related to an inhibition of glucose output by the liver.



We have adapted the Doppler Flow Meter for measurement of hepatic blood in the dog on a continuous basis. This unique system is based upon the use of a transducer sensor wrapped around the blood vessel which picks up the audio frequency (Hz) generated by the "noise" of the red cells hitting the vessel wall as they speed past the transducer. We have performed experiments in dogs showing the feasibility of such a system for recording flow simultaneously through the portal vein and hepatic artery. Such a system opens the way to accurate and continuous assessment of hepatic blood flow hitherto unattainable by dye-pickup methods. Preliminary studies indicate that hepatic blood flow is indeed stable under a variety of experimental conditions. Also, situations affecting portal venous blood flow may not be the same as those influencing hepatic artery flow. Thus far, it was found that the largest stimulus to enhancement of portal venous flow is hyperglycemia induced by intravenous administration of hypertonic glucose.

Special conduit systems were incorporated into the construction of the metabolic ward to permit automatic simultaneous monitoring of food intake by two subjects using two separate feeding machines. The feasibility of using an automatically monitored food dispensing apparatus for the study of food intake in man has been demonstrated from our previous studies. The next phase of our study with the feeding machine involves the effect of graded amounts of exercise on the pattern and quantity of food intake. Quantification of exercise and its duplication from day to day has been made possible by walking on a treadmill adjustable for speed and degree of incline from the horizontal plane. This study is in a preliminary phase, and suitable subjects are now being admitted to the metabolic ward for an attempt to quantify the relationship between food intake and physical activity.

#### NMR STAFF:

Sami A. Hashim, M.D.	Full-time	Director
Robert G. Campbell, M.D.	Full-time	Clinical Director, Metabolic Ward
Francis X. Pi-Sunyer, M.D.	Part-time	Research Associate
Francisco Linares, M.D.	Full-time	Research Fellow
Presentacion Fontanares, Ph.D.	Full-time	Research Fellow



## Ph.D. CANDIDATES

Phienwit Tantibhedyangkul, M.D. Full-time

Research Fellow

## IN COLLABORATION WITH:

Theodore B. Van Itallie, M.D. (Director of Medicine, St. Luke's Hospital Center)

William H. Sebrell, M.D. (Director of Institute of Nutrition Sciences and

R. R. Williams Professor of Nutrition, Columbia University)

*Laboratory for Renal and Endocrine Physiology*

The most interesting observation has been made that rubidium, unlike potassium, fails to stimulate aldosterone secretion from perfused dog adrenal glands. This is the first biological system yet to be described in which rubidium cannot be substituted for potassium.

Work has been completed on the assay of ACTH-like activity in certain growth hormone preparations. As assayed in the dog adrenal, bovine growth hormone (Merck) has no detectable activity. HGH (Merck) is inhibitory; HGH (Raben) has significant activity in high concentrations ( $1.0 \mu\text{g}\%$ ); and HGH (National Pituitary Agency) has very high activity at physiological concentrations of  $0.1 \mu\text{g}\%$ . Caution is recommended in interpreting adrenal steroid effects of these agents in man.

Acute changes in the red cell mass and plasma volume were studied following intravenous administration of the potent and rapidly acting diuretic, Furosemide. Peak diuresis occurred within one hour and was accompanied by 12% decrease in plasma volume. There also occurred an unexpected shrinking of the red blood cell mass by a means of 10%.

Since there is much controversy concerning the anti-estrogen action of clomiphene, we studied its effects on two estrogen-sensitive systems in man; i.e., the cortisol-binding protein transcortin and the thyroid-binding globulins. Clomiphene administration was noted to have no blocking action on the effects of the estradiol on these two systems in man.

Metabolic balance studies were conducted on patients with refractory edema who were receiving a new diuretic MK870 (N-amidino — 3,5 diamino — 6 chloropyrazine carboxamide) alone and in combination with ethacrynic acid. When given alone, MK870 exhibited only

modest diuretic properties. However, the addition of MK870 markedly blunted the kaliuresis induced by ethacrynic acid while augmenting the natriuresis and weight loss.

The role of cyclic AMP in adrenal steroidogenesis was investigated using the inhibitors of cyclic AMP, dihydroergotamine, and dichloroisoproterenol. Neither of these agents was effective in blocking vasopressin and ACTH stimulation of cortisol production.

Our group continued its support in the following clinical areas: management of patients undergoing peritoneal dialysis, performance of renal biopsies, work-ups of patients with renal and endocrine diseases, management of patients with fluid and electrolyte imbalance, and management of diuretic problems. Diagnostic facilities include ACTH and methapyrapone testing and measurement of plasma and urinary steroid concentrations, among many others.

LABORATORY FOR RENAL AND ENDOCRINE PHYSIOLOGY STAFF:

James G. Hilton, M.D.	Full-time	Director
Paul Cushman, M.D.	Full-time	Research Director
David David, M.D.	Full-time	Research Fellow

### *The Radioisotope Laboratory*

Substantial growth in patient services and in research activity occurred in the Radioisotope Laboratory during 1966. A concomitant increase in personnel, in equipment and in laboratory space occurred to keep the facilities in step with this increase in activity. In July, the director changed from part time to full time status in recognition of the continued growth of the work in the laboratory.

Organ scanning accounted for the largest part of the clinical service of the laboratory. Scans of the thyroid, liver, lung, brain, kidney and placenta are now routine. Spleen and bone scans are carried out in special cases. The gamma camera, installed in 1966, has greatly increased the speed and the versatility of these scans which have tripled in number from the previous year.

Research projects carried out wholly within the laboratory include study of the red cell mass and plasma volume after diuretic administration; fecal blood loss associated with commonly used analgesics;

and studies of the circulation time comparing various clinical methods with an objective method developed in the laboratory, the subject of a publication in 1966.

Several research projects were carried out in conjunction with other laboratories and departments. A longitudinal study of Congestive Heart Failure completed a 3rd and final year in December, 1966. Undertaken jointly with the Community Health Studies Unit, the project entailed measurement of the progression of heart disease in 300 clinic patients.

Studies of total exchangeable sodium, plasma volume, circulation time and cardiac index were performed at 3 month intervals in the radioisotope laboratory providing an objective measurement of the effects of different treatment regimens in study and control groups.

Experience was gained in the utilization of the computer to sort and analyze the massive volume of data generated by this study. As an outgrowth of this, a paper comparing magnesium sulfate circulation time with an objective radioisotope circulation time indicator is currently in editorial review. Drs. Paul Torrens, Coenraad Westermann and Arthur Lennon were associated in these studies.

The hemodynamic status of asthmatic patients was studied in a protocol designed to test the hypothesis that partial beta adrenergic blockade is characteristic of asthma. The results of the study were inconsistent with this hypothesis, but suggest a different explanation for the results reported by other workers. These studies were completed in December. Drs. Michael Grieco and Richard Pierson are co-authors of a report of this work currently in preparation.

With the help of a special grant from a grateful St. Luke's Hospital patient, a portable instrument for measuring cardiac output at the bedside was perfected and put into operation. This instrument will provide the basic measurement for studies of shock and heart failure which are now in preparation. Development of this four ounce portable instrument is an example of one type of research carried on in the radioisotope laboratory which does not provide immediate tangible results, but rather prepares the way for future studies which depend on improved methodology

Other projects undertaken in the laboratory include cooperative studies with the Department of Surgery (studies of peripheral resistance in shock and of platelet deposition on artificial heart valves in a test chamber), the Department of Urology (the kinetics of hydrocele fluid), and the Department of Obstetrics and Gynecology (kinetics of placental transfer in the middle trimester of pregnancy: amniotic-maternal exchanges of certain substrates during the "salting-out" procedure). Such inter-departmental studies are encouraged by the laboratory.

A course in radioisotope is given each year, sponsored by the National Heart Institute Training Program in Cardiovascular Physiology and Metabolism, and directed by Dr. Pierson. The course is 7 months long and moves from medical mathematics to medical statistics, and finally to radioisotopes.

#### RADIOISOTOPE LABORATORY STAFF:

Richard N. Pierson, Jr., M.D.	Full-time	Director
Richard P. Keating, M.D.		Consultant
Leonard M. Liegner, M.D.	Part-time	Consultant

#### *Tissue Culture Laboratory*

The measurement of erythropoietic activity in marrow explants by the incorporation of radioactive iron has enabled us to evaluate objectively the influence of humoral and environmental factors on erythropoiesis. The response to both testosterone and erythropoietin has been found to be dose related with an optimal level for each substance above which inhibitory effects were observed. Estrogen inhibited erythropoiesis and diminished the effect of both testosterone and erythropoietin. In contrast prednisone, which is inhibitory alone, in combination with testosterone appeared to enhance the effect of a suboptimal dose of erythropoietin. Sixteen of 17 sera from patients with polycythemia vera were found to enhance iron uptake from 2 to 7 times the control. This is of interest because of the fact that most other investigators have not been able to demonstrate increased amounts of erythropoietin in polycythemics using the standard plethoric mouse assay system. Earlier observers, using rats, did find evi-

dence of an erythropoiesis stimulatory factor (ESF). We found that two polycythemic sera that were strongly stimulatory for human marrow cultures, were inactive with canine marrow, which did respond to anoxic dog serum. These studies suggest that species differences may be of great importance in determining what kind of effect is attained. However, it appears even more likely that the ESF present in polycythemic serum is not the same as the erythropoietin produced in the kidney by the stimulus of anemia or anoxia. Further studies are planned to explore the differences in mode of action of erythropoietin and testosterone, and the nature of the ESF in polycythemic serum.

One of the techniques employed in the latter study is the electrophoresis of sera on cellulose acetate. A side study of electrophoresis has been the separation of abnormal hemoglobins cleanly enough to permit quantitative measurement of A, A<sub>2</sub>, S and F, and A, S, F and C on a single run. We have not yet been able to split C and A<sub>2</sub>. This has led to easier diagnosis of cases of thalassemia minor and S-thalassemia anemia.

TISSUE CULTURE LABORATORY STAFF:

Edward H. Reisner, Jr., M.D.

Part-time

Director





# Obstetrics and Gynecology

Harold M. M. Tovell, M.D., Director

The transition from a well established clinically orientated, training service, where excellence in patient care and teaching programs are paramount, to one that is compelled to acquire a more academically orientated atmosphere, without the loss of a rich endowment, is sometimes looked upon with suspicion and often frankly opposed. These reactions have not been evident in the case of the Obstetrical and Gynecological Service of St. Luke's Hospital Center, where, during the past year, notable advances have been made towards achieving a modern post-graduate teaching and training center.

Advances were seen in the development of a coordinated service between that of Woman's Hospital and the corresponding service in the College of Physicians and Surgeons; by increasing the patient care load in the O.P.D. and on the Obstetrical Service; and the maintenance of one of the largest Gynecological Services in New York City. Through monies granted by the Children's Bureau of the Department of Health Education and Welfare, a Genetic Counseling Service was inaugurated and additional space and monies for a steroid chemistry laboratory were appropriated by the N.I.H. General Research Support Fund and the trustees of the St. Luke's Hospital Center. The Residency Review Committee of the AMA approved a non-pyramided, four-year Resident Training Program for 16 residents in lieu of the minimum three-year program that had been previously in existence for many years. These advances, as well as others, were achieved with the full support and enthusiasm of the Obstetrical and Gynecological Staff.



## Out-Patient Care

*Out-Patient Department:* Visits to the eight clinics of the Obstetrical and Gynecological Services totaled over 27,000. The increase of over 3,500 clinic visits compared to the previous year was reflected in all but the Infertility-Endocrine, Prenatal and Postnatal Clinics which showed a slight decline respectively. Since the assignment of a Follow-up Secretary to the Clinic the follow-up of patients has been greatly improved and may have played a small part in increasing the total number of visits.

*Family Planning Clinic:* Under the direction of Dr. Stuart Oster, Assistant Attending Obstetrician and Gynecologist, the Family Planning Clinic, now in its second year, with over 1384 new patients enrolled, was expanded to two clinics a week and has handled 1,684 visits. Besides providing service to both hospital and community patients, several studies are being conducted in this clinic to evaluate the efficacy, safety and side effects of various contraceptive agents and techniques. Much of the professional services of this clinic are supported by grants and private donations. It seems only logical that the operation of this vitally important clinic should be assumed by the hospital and that its activities eventually be placed in the post-natal clinic.

*Pediatric Gynecology Clinic:* Late in the year the Pediatric and Gynecologic Services initiated a new, weekly clinic with the assistance of Dr. Albert Altchek. The purpose of this Pediatric-Gynecology Clinic is to bring together under one direction the special gynecological techniques and procedures involved in the diagnostic and therapeutic problems encountered in newborns, young children and early adolescent patients seen in the hospital and in the Pediatric Clinics. The types of problems frequently encountered include abnormalities of the external and internal genitalia, intersex, vulvo-vaginitis, precocious or absence of puberty, menstrual disturbances and neoplasia. It is anticipated with the growth of this clinic that both patient care

and teaching programs in this relatively neglected area will be improved.

*Riverside Health Clinic:* Under the direction of Dr. Ian Van Praagh, Assistant Attending Obstetrician and Gynecologist, the Obstetrical Service continued to operate two sessions a week, having a prenatal, postnatal and family planning clinic, and completed its first 14 months of operation. In this period 221 new prenatal patients were registered and 128 of these delivered 123 liveborn infants with a perinatal mortality rate of 4%. A total of 382 new patients were received in the weekly family planning clinic during the same period. 86% of the recently delivered patients attended this clinic and 71% of the patients of the clinic were "walk-ins" from the neighborhood. Patients from this clinic were delivered at Woman's Hospital and when indicated, for antepartum complications, were admitted to the obstetrical service. The advantages of this Community Program to the Teaching and Patient Care Programs of the Service are obvious.

*Parent Education Clinics:* Good patient care in prenatal clinics, particularly when dealing with lower social economic groups, must include patient education programs. Subjects frequently taught include nutrition, hygiene, preparation for labor and delivery, including controlled breathing exercises, preparation for breast feeding, and when indicated the methods and facilities of family planning and the meaning of responsible parenthood. Under the direction of Miss Marguerite Ball, R.N., parent education classes were started in August for both Ward and Private patients. As many as possible new obstetrical patients are interviewed at the time of the first prenatal visit and encouraged to attend these classes. Of the 330 patients interviewed 257 attended classes. 69 private patients also attended classes. The patients' acceptance of this program is reflected in the increasing demand on Miss Ball's time. Perhaps it is to be anticipated that an assistant will eventually be required, especially when additional classes are developed which are currently being planned for unwed, teen-age pregnant mothers.

## In-Patient Care

In July of 1966, 22 additional semi-private gynecology beds became available with the opening of the 9th floor of the new Woman's Hospital building to bring the total capacity of the Obstetrics and Gynecology Service to 135 beds.

*Hospital Admissions:* (Table I). There were 164 fewer patients admitted during the year, the decline being found in the Gynecology Service. A higher number of gynecologic admissions in 1965 was presumably due to the greater number of beds available in the old building prior to the move in August of 1965, combined with the lack of the additional 22 beds, later made available on the 9th floor, during the first half of the year.

*Obstetrical Service:* (Tables II, III). An increase in the number of deliveries and births occurred on the ward side, unlike the trend in many other hospitals in the city and across the country. The increase in Ward deliveries of 138 patients almost equals the number of patients that received their prenatal care at the Riverside Health Clinic and delivered at the hospital. It is not anticipated that the obstetrical service will show any great increase in the number of deliveries or births over the next few years. It is of interest to note that the primary cesarean section rate of 5.1% is well in keeping with that of other New York City teaching hospitals. The perinatal mortality rate, though not tabulated in this report, is among the lowest in the city. By the end of the year, 16 months had elapsed without a maternal death.

*Obstetrical Statistical Cooperative Program:* In 1964 the Obstetrical Service negotiated with the Obstetrical Statistical Cooperative Study group operating from the Downstate Medical Center, Brooklyn, for probationary membership in the Statistical Cooperative Study Program. Since January 1, 1965, under the supervision of Dr. Bernard N. Nathanson, Associate Attending Obstetrician and Gynecologist, all essential prenatal, parturitional, postnatal and neonatal data on all pregnancies terminated at Woman's Hospital has been coded by the

Record Room and the information transferred to the Downstate Computer Center for IBM statistical analysis. The Woman's Hospital, now one of 23 member teaching hospitals in the USA and Canada, receives annually a highly analytical departmental report of the performance record of the obstetrical service and a similar, but separate, combined report of the cooperative. With these reports a comparative evaluation of the performance of the obstetrical service is possible. In addition, the retrieving and reporting of essential information that may be desired for investigational or research purposes, offered by the Computer Center to any member hospital promises to be invaluable, particularly as the number of years of reporting are accumulated. A detailed report of our Obstetrical Service for 1965 is currently being prepared by Dr. Graham Hawks, Associate Attending Obstetrician and Gynecologist.

*Gynecology Service:* There was a marked drop in the number of total operations performed when compared to the previous years. This decrease occurred in the private patient group presumably as a result of the fewer admissions to the service for the reasons previously explained. A significant increase in the number of ward operations during the year is noted.

Since August of 1965 all cancer cases seen on the Obstetrical and Gynecological Services have been entered into the St. Luke's Hospital Cancer Registry. This registry primarily affords a retrieval system for follow-up purposes. In addition, it serves as a repository of pertinent historical, pathological and therapeutic data on individual patients. Its advantages for periodic review and study are obvious.

### Social Service

The Social Service Division of the Obstetrical and Gynecological Department were fortunate in obtaining, early in the year, its new director Miss Katherine Gordy, Assistant Director of Social Service. Despite several retirements and an almost complete changeover in

staff, this vital division of the department continued to grow. The total case load increased from 126 active cases at the beginning of the year to 196 cases at the end of the year. Throughout the year 573 cases were opened and 503 cases were closed. A total of 6,743 interviews took place, an increase of 963 over that of the previous year. There were 4,673 conferences during the year or 713 more than in the previous year.

A few of the many other functions performed by the Social Service Department include the patient education program on family planning, the follow-up assistance given to all tumor clinic patients, the care given to special maternity problems such as the unwed mother, the teenage pregnancy, the drug addicted patient and the patient requiring a therapeutic termination of pregnancy. Only with the assistance of a well-developed and organized Social Service Department can the social problems that beset our community and which are reflected in our clinic population be properly managed.

## Volunteer Service

Through the constant efforts of Miss Dorothy Rader, Director of Volunteers for St. Luke's Hospital Center, the Obstetrical and Gynecological Service was fortunate in having 17 volunteers giving their time and serving in five essential hospital areas. These included the clinic, nurses stations, play-room, patient library and the gift shop. Although there are many areas still in need of help and assistance from these seemingly tireless and devoted workers, we are most appreciative and sincerely grateful for this group of loyal, unselfish people.

## Teaching and Training Programs

All members of the Attending Staff, when assigned to duty, continued to give freely and willingly of their time in the supervision and teaching of residents and students alike on the wards, in the labor rooms and in the operating rooms. Besides the routine daily and often noc-

turnal sessions, conducted by the Attendings, several more formal teaching sessions were maintained and further developed.

*Staff Conferences:* A total of 44 Monday afternoon Staff Conferences including Perinatal Morbidity and Mortality and Complications Conferences were held during the year. Besides the two or three formal case presentations by the resident staff at these conferences eleven guest speakers, five members of the Attending Staff and two residents presented papers at these conferences.

*Resident Seminars:* Under the direction of Dr. Ian Van Praagh, a series of six resident seminars were held by prominent authorities in human genetics, female endocrinology, human gonadotropins, fetal maternal physiology, Rh incompatibility and its management and radiation physics.

*Grand Rounds:* The time honored, formal type of bedside teaching rounds, where discussions were frequently restricted in scope, have been replaced by a less formalized, sit-down rounds, held each Saturday morning in the Babcock Library. The weekly statistics of both the Obstetric and Gynecology Services, the complications, problem cases, deliveries and operations of the week are presented and freely discussed. In collaboration with the Department of Psychiatry of St. Luke's Hospital, Dr. Robert Mumford, regularly attends these rounds to discuss and assist in the management of the emotional and psychiatric problems so frequently encountered in obstetrics and gynecology. The teaching aspect of these rounds has proved to be a rewarding experience.

*Residency Training Program:* The new four year residency training program was formally approved by the Residency Review Committee of the AMA and will be in full operation by July 1st of 1968. It permits the service to train sixteen residents with four residents in each year. The fourth year "Chief" gynecology resident and the "Chief" obstetrical resident will, in this program, assume a greater degree of responsibility in patient care and teaching programs. Currently the

Chief Gynecology Resident is responsible for the care and management of all ward cancer patients under the supervision of a member of the Cancer Committee and for conducting the weekly tumor rounds and conference.

The extra twelve months now required for Board eligibility in the training program is planned to provide all residents with additional time for experience in other disciplines pertinent to the specialty and hopefully will offer a broader training program than was previously possible.

*Student Teaching Program:* The Obstetrical and Gynecological Service has continued to be responsible for providing clinical clerkships for two fourth year P & S students each month. Much of the student time is spent on the wards learning preoperative and postoperative patient care; in the labor and delivery rooms where he learns the management of patients in labor and at delivery; and in the operating rooms where he assists at operations. In addition to their attendance at the regular weekly teaching sessions, one and sometimes two daily sessions are held with individual members of the staff where they receive specialized instruction or discuss prepared topics. The response of the students to this program has been highly favorable.

*Tumor Conference and Tumor Committee:* Because of the large number of gynecologic cancer problems encountered in the hospital and the diverse methods for treating these patients, a weekly Tumor Conference held by the Tumor Committee with the Chief Resident, the Social Service Department, the Follow-up Secretary, Radio-therapist and members of the Attending Staff with an expressed interest in gynecologic oncology, is responsible for the supervision and care of these patients. Each patient suffering from a malignant disease is discussed prior to treatment and the mode of management is carefully planned.

A teaching manual that outlines the principles and provides a guide to the management of gynecologic cancer cases is currently being



developed in collaboration with Dr. Leonard Liegner, Director of the Radio-Therapy Department, and members of the Tumor Committee.

## Research Programs and Activities

### *Basic Research*

*Dr. Barbara Johnston*, Research Associate in Obstetrics and Gynecology has continued investigating the association between morphological changes observed in white blood cells in certain disease states. Using a simple peripheral blood smear and a modified Wright-giemsa stain two observed changes, (1) a cytoplasmic "halo body" in large monocytes and (2) a nuclear projection in polymorphonuclear leukocytes, have been found with a high degree of consistency in patients with malignant neoplastic diseases. In 700 patients studied blindly by three different observers, 478 of which were either healthy or were suffering from a non-malignant condition and 222 patients with a documented malignant disease, an 87% accuracy in predicting the presence or absence of malignant disease was obtained. A preliminary report of this work was presented at the annual meeting of the American Society of Cytology in November 1966 and has been accepted for publication. Additional studies are in progress to further elucidate both the meaning and significance of these observations.

Mary E. Mahood (a Ph.D. candidate from N.Y.U. and successfully passed in 1967) worked closely with Dr. Johnston on the above project. In addition, she continued her studies on the chromosomal changes in bone marrow of small laboratory animals following the administration of various cancer chemotherapeutic agents. A number of chromosomal changes were observed some of which were more transient than others. It was the feeling following this study that the bone marrow of patients in the reproductive age group receiving anti-cancer drugs should be periodically studied. The work in this laboratory has been supported by the Independent Citizens Research Foundation, the June Thompson Moore Memorial Fund, the Estelle Golden Seeb Memorial Fund, the David Levine Memorial Fund, the

Nuclear Research Associates and the N.I.H. General Research Support Fund of the St. Luke's Hospital Center.

*Dr. Lajos I. vonMicsky*, Chief of Bioacoustical Laboratory and Assistant Attending Obstetrician and Gynecologist has continued to develop and perfect new instruments for ultrasound scanning techniques. The compound linear-sector scan for abdominal pelvic sonic tomography, the transvesical, transrectal and intra-abdominal scanners have been found useful for providing greater definition and delineation of areas scanned and in predicting types of abdominal and pelvic disease conditions.

In collaboration with Robert E. King, Ph.D., Assistant Professor of Electrical Engineering at Columbia University, further progress has been achieved in the recording and correlation of clinically useful data obtained when monitoring simultaneously intrauterine pressure and cervical dilatation in parturient patients. These studies have been supported by grants from the National Institute of Health.

## Clinical Investigations

A number of retrospective and prospective clinical studies by members of the Attending and Resident Staff were initiated. Some have been completed while others are still in progress.

*Dr. Haig Carapetyan*, Attending Obstetrician and Gynecologist in collaboration with *Dr. Miguel Pulido*, Resident Obstetrician and Gynecologist, completed a review of over 300 cases of ovarian wedge resection performed at Woman's Hospital in the treatment of infertility patients. This work was presented at a Staff Conference and is currently being prepared for publication.

Dr. Carapetyan reviewed the Woman's Hospital series of operations for the correction of congenital uterine fusion defects and tubal-plastic operations. Both these works were presented to the American Infertility Forum in Chicago, and are currently being prepared for publication.

*Dr. Carl T. Javert*, Attending Obstetrician and Gynecologist, in association with *Dr. Stuart Oster*, Assistant Attending Obstetrician and Gynecologist continued their prospective study of the use of the Smith-Hodge Pessary in the treatment of pregnant patients with an incompetent cervix. The preliminary report of this study has been published.

Dr. Javert continued his studies on habitual abortion, endometrial cancer, the unwed mother and the isometric X-ray technique for pelvimetry.

*Dr. Elise Renning* and *Dr. Harold M. M. Tovell*, Attending Obstetricians and Gynecologists, in association with *Dr. Leonard Liegner*, Director of Radio-therapy, initiated an extensive retrospective and prospective clinical pathological study of the cases of cervical cancer seen in Woman's Hospital.

*Dr. Tovell*, collaborating with *Dr. Alex Young*, Attending Dermatologist and Director of the Dermatology Service in St. Luke's Hospital, initiated a clinic to intensively study atrophic and neoplastic vulvar conditions. A monthly vulvar clinic has been organized where all such diseases can be referred for diagnosis and treatment. A preliminary report of this study revealed a 15% incidence of vulvar abnormalities in patients attending the weekly tumor clinic in which the vulvar clinic is located.

Dr. Tovell, in association with *Dr. Joseph Ward* and *Dr. John Draper* of the Urology Service described the clinical aspects, including the diagnosis and surgical repair of urethral diverticuli. Over 28 cases were studied and treated. This work has been accepted for publication.

*Dr. Graham G. Hawks*, Attending Obstetrician and Gynecologist, is preparing a detailed report for the year 1965 of over 2,800 obstetrical discharges. The basic data for this report was received from the Downstate University computer center.

*Dr. Bernard N. Nathanson*, Associate Obstetrician and Gynecologist, continued to supervise the coding operations of all obstetrical patients seen in the hospital in preparation of these records for IBM analysis.

Dr. Nathanson collaborated with Dr. Richard Pierson, Chief of the Radio-Isotope Laboratory, in studying the dynamic equilibrium of radio iodinated serum albumin injected into the amniotic sac of mid-trimester pregnancies undergoing therapeutic abortions.

In collaboration with Dr. Joshua Davies, Resident Obstetrician and Gynecologist, work has been concluded on the chemical analysis of amniotic fluid in health and certain disease states.

*Dr. Ian Van Praagh*, Assistant Attending Obstetrician and Gynecologist, has continued both a retrospective and prospective study of cesarean sections performed at Woman's Hospital. Over 2,000 of these operations have been reviewed and the pertinent information placed on marginal punch cards. Cesarean sections done for cephalopelvic disproportion, fetal distress and primary cesarean sections in multiparous patients have been reviewed in detail.

Dr. van Praagh conducted, for the Winthrop Laboratories, a clinical study on 'Milibis', a pentavalent arsenical suppository used in the treatment of vaginitis, to evaluate the arsenic level in the blood after two weeks of use. In five patients studied no arsenic was detected in the blood.

*Dr. Stuart Oster*, Assistant Attending Obstetrician and Gynecologist, continued to study and evaluate a new oral contraceptive pill for Eli Lilly & Co. In association with Dr. Tovell a study has been completed on an evaluation of contraceptive pills in patients over the age of 40. In association with Dr. Francis Pi-Sunyer of the Department of Medicine, Dr. Oster has carried out some metabolic studies on patients using the oral contraceptive pills. There is evidence to suggest that a large percentage of patients on these pills are found to have a pre-diabetic type of glucose tolerance curve.

*Dr. Anne B. Pierson*, an Assistant Obstetrician and Gynecologist in association with Dr. Oster has been evaluating a new intrauterine contraceptive device for the Population Council.

*Dr. John S. Aldridge*, Assistant Attending Obstetrician and Gynecologist, reviewed the statistics and 5 year end results of cases of cancer of the cervix and vagina, from 1955 through 1960, for the Annual Report now published under the patronage of the International Federation of Gynecology and Obstetrics. These results will be published in the 14th volume of these reports and represents the thirtieth consecutive year that Woman's Hospital has been contributing to these reports. During the six years of this latest report, 168 cases of cancer of the cervix were treated at Woman's Hospital and 92.8% of the patients have been followed for 5 years or more. 68 patients or 40.9% were well at five years, 2 were alive with disease, 7 had died of intercurrent disease, 12 were lost to follow-up and 77 patients died of their disease. 62% of the patients received radiotherapy as their primary treatment and 38% were primarily treated by surgery. 50% of patients alive and well at five years were primarily treated by a surgical modality.

*Dr. Nathan Mintz*, a member of the Courtesy Staff is preparing a review of the literature and report of a case of primary ovarian pregnancy.

*Dr. Daryl E. Murdoch*, Assistant Resident in Obstetrics and Gynecology, has reviewed the Woman's Hospital experience with the presacral neurectomy operation in the treatment of dysmenorrhea. This work was presented at the Residents Night Meeting of the Section of Obstetrics-Gynecology of the N. Y. Academy of Medicine.

Dr. Murdoch, associated with Dr. Victor Bokkenheuser of the Bacteriology Division of the Department of Pathology, is pursuing an investigation of the prevalence of *Vibrio fetus* infections in aborting women.

## Staff Activities

### *Presentations, Honors and Awards*

*Dr. Haig Carapetyan* presented two papers before the American Infertility Forum in Chicago. He was also elected President of the Forum and Chairman of the Board of Directors. In addition, he served on a panel on the Surgical Treatment of Infertility held by a sectional meeting of the American College of Surgeons in Allentown, Pa.

*Dr. Carl T. Javert* served as President of the New York Gynecologic Society and presented papers before the Norfolk Obstetrical and Gynecological Society and the Summit County Medical Society in Ohio. He also continued to serve as President of the Well-Born Foundation.

*Dr. Harold M. M. Tovell* was visiting Obstetrician and Gynecologist to the St. John's Post Graduate Assembly in Santa Monica, California, where he presented two papers and participated in a symposium. He was on the faculty of a Post-Graduate Course sponsored by the New Jersey Obstetrical and Gynecological Society and the New Jersey Academy of Medicine held at St. Barnabas Hospital in Livingston, New Jersey. He continued to serve on the Council of the Section on Obstetrics and Gynecology of the New York Academy of Medicine and was appointed Chairman of the Committee on Continuing Education of the Obstetrician-Gynecologist of the American College of Obstetricians and Gynecologists. Besides several talks given in various local and regional hospitals he served on the program of the National Meeting of the American College of Obstetricians and Gynecologists in Chicago.

*Dr. Ian Van Praagh, Dr. Stuart Oster and Dr. Lajos I. vonMicsky* all successfully passed their American Board of Obstetrics and Gynecology examinations. Dr. vonMicsky presented papers on various aspects of ultrasonic diagnosis at meetings of the American College of Obstetricians and Gynecologists, the American Institute of Ultrasonics in Medicine and the Nassau Surgical Society. He was also ap-

pointed to the Executive Board of the American Institute of Ultrasonics in Medicine.

#### *Appointments and Promotions*

Four consultants of outstanding ability and distinction were appointed to the staff in Obstetrics and Gynecology during the year.

*Dr. Howard C. Taylor, Jr.*, Professor Emeritus of Obstetrics and Gynecology at Columbia University, College of Physicians and Surgeons, and Director of the International Institute for the Study of Human Reproduction.

*Dr. R. Gordon Douglas*, Professor Emeritus of Obstetrics and Gynecology, Cornell University and Project Director of the Satellite Prenatal and Maternal Clinics of the Department of Health, New York City.

*Dr. J. George Moore*, Willard C. Rappele Professor of Obstetrics and Gynecology, Columbia University, College of Physicians and Surgeons.

*Dr. Gray H. Twombly*, Professor of Gynecology, New York University, School of Medicine.

*Dr. Frank Spielman*, Associate Attending Obstetrician and Gynecologist, retired from the active teaching staff to continue in full time private practice.

*Dr. Peyton R. Harris, Jr.*, Assistant Attending Obstetrician and Gynecologist, retired from the teaching staff to become a partner in a group medical practice in Massachusetts.

#### *Publications:*

Besides the numerous talks given by members of the staff, there were 19 publications either accepted for publication or published during the year by members of the Obstetrical-Gynecological Service. These were contributed by Drs. Marr, Javert, Tovell, Nathanson, Van



Praagh, vonMicsky, Oster, Klempner, Johnston, Murdoch and Pierson and are listed elsewhere.

### *Donations*

The report would be incomplete without an expression of sincere gratitude to the many groups of people, foundations and individuals who have unhesitatingly given their time and support to the many diverse functions of the Obstetrical and Gynecological Service throughout the year. Notably among these were the Avalon Foundation, the Beekman Family Association, the Robert Sterling Clark Foundation, Inc., Mrs. Thomas L. Clarke, Jr., Mrs. Alan L. Corey, Jr., Cross Ridge Foundation, Mrs. Howland S. Davis, Mrs. William R. Grace, Mrs. Charles V. Hickox, The Huber Foundation, Mrs. Hunter S. Marston, Mr. Hiram A. Mathews, Edward John Noble Foundation, Mrs. Edith Scoville, Mildred Anna Williams Fund.

We are particularly grateful to the trustees of St. Luke's Hospital Center who early in 1967 authorized the construction of the first research laboratory of the Obstetrical and Gynecologic Service. This space will be occupied by a Steroid Chemistry Laboratory and Genetic Counseling Service Laboratory. The importance of these two laboratories in the development of an ideal teaching hospital service, by their effect on attracting clinical scientists and promoting excellence in patient care, cannot be over-emphasized.

**TABLE I**  
**Obs-Gyn Admissions — 1966**

Service	Ward	Semi-Private	Private	Total	
				1966	1965
Obstetrics .....	1,642	774	233	2,649	2,396
Gynecology .....	986	1,138	415	2,539	2,956
<b>TOTAL .....</b>	<b>2,628</b>	<b>1,912</b>	<b>648</b>	<b>5,188</b>	<b>5,352</b>

Note: 1965 Ward admissions — 2,526  
Semi-Priv. admissions — 2,007  
Private admissions — 819

**TABLE II**  
**Obstetrics Summary — 1966**

Deliveries & Births	Ward	Private	Total	
			1966	1965
No. of DELIVERIES .....	1,355	844	2,199	2,055
No. of BIRTHS (discharged)				
Non-Viable (< 500 gms) .....	5	1	6	4
Pre-Viable (500-999 gms) .....	11	6	17	11
Viable Premature (1000-2499 gms) ..	143	59	202	169
Viable Term (> 2500 gms) .....	1,155	774	1,929	1,845
TOTAL .....	1,314	840	2,154	2,029

Note: 1965 Ward Births — 1,194  
1965 Private Births — 835

**TABLE III**  
**Obstetric Deliveries — 1966**

Type	Ward	Private	Total	
			1966	1965
Spontaneous .....	673	348	1,021	883
Low Forceps .....	462	322	784	776
Mid Forceps .....	31	30	61	113
Breech .....	31	23	54	56
Vacuum Extractor .....	18	4	22	27
Cesarean Section—1° ....	61 (4.6%)	50 (5.9%)	111 (5.1%)	136 (6.0%)
Cesarean Section—Repeat.	43	69	112	87
TOTAL .....	1,319	846	2,165	2,078

Note: 1965 Ward Deliveries — 1,217  
1965 Private Deliveries — 861



# Ophthalmology

Harry Eggers, M.D., Director

The ophthalmology service has been growing rapidly and soon will be limited by lack of space. Clinic attendance often runs as high as 100 patients during an afternoon. On the ward, an empty bed is rare.

A new contact lens clinic has been established and is flourishing under the guidance of Dr. John Eden. Tonography apparatus has been acquired for diagnostic and investigative work in glaucoma. Dr. Richard Kochman is in charge of this work. Dr. Howard Weisberg is in charge of the new Zeiss retinal camera. This is valuable in following the course of diabetic and other retinal afflictions, and also will be valuable for the new technique of retinal fluorescence angiography.

The attending staff now encompasses most of the sub-specialties in ophthalmology. Drs. Wilson Starr and Ira Jones, among other things, are expert in the interpretation of orbital x-ray films. For retinal surgery we are singularly favored with three retinal surgeons, Drs. Graham Clark, James Newton and Dennis Freilich. Drs. Ira Jones and William Cooper are available for neoplastic surgery of the lids and orbit. Drs. Robert McClanahan and Howard Weisberg cover our needs in corneal transplantation. Dr. John Eden is particularly interested in strabismus. Dr. John Lally is our first thought when electronic and mechanical problems arise. Our most recent staff member, Dr. John Espy, is available for general ophthalmic surgery and for scleral contact lens problems.

From an initial single resident, the ophthalmology service has progressed to three regular residents. At the moment there are four resi-

dents. For some years our residents have had the privilege of attending the valuable tumor and grand round clinics at The Columbia — Presbyterian Institute of Ophthalmology. These doors were opened to us initially through the kindness of Drs. John Dunnington and Algernon B. Reese.

In the operating room, we continue to be fortunate in having Mrs. Rosita Garcia assigned to us. Her expert knowledge of the generally little known ophthalmic instruments and her helpful disposition make her invaluable. Miss Mary Ann Smith continues to serve generally and efficiently in the clinic and Miss Helen Benford manages our Stuyvesant 3 ward very satisfactorily.

At this time our most pressing need is a xenon arc, or a laser, retinal light coagulator — preferably both instruments since their functions differ. They are needed for the treatment of incipient retinal detachments and of certain intra-ocular tumors.

In the future, if increased facilities and space can be obtained, the ophthalmology service will be ready to undertake formal research, something which was not feasible previously.

# Oral Surgery and Dentistry

Edward Stroh, D.D.S., Director

The Department of Dentistry and Oral Surgery, in the past year, has broadened and increased its scope of activity. Medicare, Medicaid, the need for, and the institution of a more comprehensive and formal training program for the House Staff, increased clinic load, have all through a natural course tended to increase the activity of the Department.

A few years ago, one intern was sufficient to cover the service. Not long after, it was necessary to add one resident in order to meet the demands on the service both for in-patients and out-patients. Starting July 1967, a second resident will be added, bringing the complement of House Staff for the Department to three — 2 residents and 1 intern. This will provide a smoother functioning service, better coverage and a more comprehensive training program.

STATISTICS:	1963	1964	1965	1966
New Patients .....	977	968	—	1510
Total Number of Patients .....	1359	1471	1724	1963
Total Visits .....	3053	3134	3245	4230
Number of Patients Admitted to Oral Surgery Service .....	80	89	95	100

This increasing patient load in both the In-Patient and Out-Patient Service has enabled the House Staff to observe and treat a wider variety of diseases and trauma of the oral structures.

There were three new additions to the Attending Staff: Drs. Kenneth Levy, David Malkin and Andrew Ragona. These additions provide more complete supervision of the House Staff and service to the Community.

Edward Stroh, D.D.S., was appointed Director of Dentistry and Oral Surgery effective January 1, 1967.

Dr. Stroh is also Director of the Department of Oral Surgery at Metropolitan Hospital. He is President of the Metropolitan Conference of Hospital Dental Chiefs, a member of the Ethics Committee of the First District Dental Society of New York and a member of the Registered Clinic's Committee of the Greater New York Dental Meeting. He is a Fellow of the American College of Dentists, a Diplomate of the Board of Oral Surgery of the State of New York and a Fellow of the New York Academy of Dentistry.

#### *Staff Activities:*

Dr. Kenneth Levy attended the course in "Advanced Pathology of the Oral Regions" at Walter Reed Hospital.

Dr. Anthony S. Caruso is an Instructor in Prosthodontics at the College of Dentistry, New York University.

Dr. Jerome Friedman gave a talk on "Treatment of Oral Infections" over Radio Station WNYC. This was sponsored by the Oral Health Committee of the First District Dental Society. Dr. Friedman also presented a paper before the Bronx County Dental Society on "Apical Surgery."

Dr. E. Clinton Vollmer has been appointed an Instructor in Orthodontics at the Columbia University School of Dental and Oral Surgery.

Dr. Eugene Ball was a Delegate to the American Dental Association Convention in Dallas, Texas. He is a member of the Council on Annual Sessions of the Dental Society of the State of New York, is on the Board of Directors of the First District Dental Society of New York and serves as a member of the Dental Health Council of this Society. He also lends his services at the Greater New York Dental Meeting.

Dr. Edward Stroh appeared with Dr. Richard Stark and William H. Canfield, Ed.D. on a television panel discussion of "Treatment of the Cleft Palate Patient" sponsored by the New York Academy of Medicine.



The success of our program and the service in general is directly due to the tireless efforts of the members of the Staff who give so freely of their time.

Progress and future needs of the Department in the present uncertainty of Medicare and Medicaid are difficult to anticipate but it is obvious that the future development of the Department will be extensive and the service to the sick and injured of the Community will be manifold.



# Otolaryngology

Stanley Whitfield, M.D., Director

## General

**D**uring the year the activities and interests of the department and its staff continued to expand.

The most noteworthy event during the year was the achievement of a full complement of residents. This has been achieved as a result of three years of hard work and cooperation by the various members of the attending staff along with past and present residents who have covered the work of the department adequately when, at times, there has been a relative resident shortage.

## Staff Changes and Promotions

Dr. Richard J. Belluci, Dr. Thomas J. Mackie and Dr. Norman Ostrov were promoted to the rank of attending otolaryngologists.

Dr. Samuel V. Boor was promoted to the rank of associate attending otolaryngologist.

Dr. Lachlan MacKenzie, Dr. Ira Rothfeld and Dr. Raymond Strauss were promoted to assistant attending otolaryngologists.

Dr. Taddeo Laiacina was promoted to senior resident and Dr. Agadurappa Mahadevaiah was promoted to second year resident.

The department was pleased to welcome Dr. George Jackson as first year resident.

## Staff Activities

Several members of the staff attended the various national ear,

nose and throat meetings held during the year.

Dr. Stanley Whitfield was elected to membership of the American Broncho-Esophagological Society at their annual meeting in Puerto Rico. Dr. Whitfield also attended the Pediatric Otolaryngology Symposium held under the auspices of the University of Pennsylvania. He attended a workshop on Rhinoplasty and Otoplasty held at Cook County Hospital under the auspices of the American Academy of Facial Plastic and Reconstructive Surgery. He was promoted to the rank of Associate Clinical Professor of Otolaryngology at Columbia University.

Dr. Samuel Boor continued with his activities connected with the organization and development of the vestibular clinic with its associated electronystamography. During the year most of the problems relating to equipment and instrumentation appeared to be resolved and increased clinical investigative activity is hoped for, for the coming year. It should be pointed out that this program requires the active cooperation of other departments of the hospital and especially those of internal medicine and neurology in order that this section receive an adequate case load to make the investigation worthwhile.

Dr. Ira Rothfeld received the certification of the American Board of Otolaryngology and was duly elected to membership in the American Academy of Ophthalmology and Otolaryngology. He participated as an instructor in the Columbia University — Mt. Sinai Hospital Rhinoplasty course and delivered a lecture to the New York Academy of Medicine on the "Suture Technique of Otoplasty". He visited Great Britain where he observed surgical procedures related to the autonomic nervous system in otolaryngology.

Dr. Arthur Brenner was active in establishing adequate ear, nose and throat facilities in the Emergency Room, so that ear, nose and throat emergencies could be handled in that area by the ear, nose and throat resident rather than being sent to Stuyvesant 3. It is hoped in this way that the ear, nose and throat resident will be available to instruct the interns and residents present in the Emergency Room in

the handling of emergency ear, nose and throat problems. Preliminary steps were taken in the establishment of regular temporal bone operative sessions whereby residents are instructed more adequately in the intricacies of microscopic ear surgery.

### Operating Room

The updating of the instrumentation of the ear, nose and throat operating room has been largely completed, and the department is now well equipped to carry out the various surgical procedures within our specialty.

During the year the department cooperated with the Department of Anaesthesia in a study of the use of intravenous xylocaine anaesthesia in bronchoscopy and laryngoscopy. This method proved to be a decided improvement on other forms of general anaesthesia for these procedures and allowed a better control of the patient. The efforts of the Department of Anaesthesia in this matter were very much appreciated.

### Clinic

Dr. Ira Rothfeld was appointed Chief of Clinic. He will coordinate the activities of the clinic. He will review present and future needs of the clinic in relation to equipment and space.

As with most other clinics the amount of available space is somewhat limited especially when faced with an expanding departmental training program. The amount of space available in the foreseeable future is unlikely to be increased. Over the year, therefore, various plans were reviewed for the better utilization of the existing space and facilities. It was felt that such plans should also meet possible requirements of Medicaid. So far no really suitable plans have materialized but the planning will continue.

It is rewarding to note that the activities of the clinic continue unabated and even show some increase, as shown by the statistics for the year. This I feel is a measure of the good patient care and good doctor—patient relationship that exists in the ear, nose and

throat clinic as a result of the combined efforts of the medical, nursing and secretarial staff.

## Resident Training

It is expected that the department will now continue from year to year with its full complement of residents. As each individual resident will now be less busy attending to the routine matters of the department, this should allow of further improvement and expansion of the resident training program. It will also allow of better and prompter ENT consultation services to the other departments of the hospital.

The improvement in the training program is reflected in the increase in both the quantity and quality of residents applying for ENT residency in our department. During the year the department was inspected by both the Residency Review Committee of the American Medical Association and the American Society of University Otolaryngologists. Both of these inspecting agencies compared the department very favorably with all other training departments, including university departments, throughout the country.

The situation has changed, therefore, in four years from one of problems with accreditation and inadequate applicants for available vacancies to one of a fully accredited department of top quality and with all residency vacancies tentatively filled for the next two years. This latter situation raises possibilities of numerical expansion of the resident program with perhaps vistas of added research efforts.

During the year a start was made on closer cooperation with other departments, possible now that the residency is fully staffed. In this direction the ENT department supported the attendance of both the senior ear, nose and throat resident and the senior pediatric resident to attend the Pediatric-Otolaryngology Symposium held at the University of Pennsylvania. Following this meeting it was mutually decided to set up a combined Pediatric — ENT Clinic once a week. This clinic will be attended by both ENT and Pediatric residents with the idea that all complicated or problem pediatric ear,

nose and throat cases will be referred to this clinic for complete evaluation and discussion. This should not only improve the cooperation between the departments but should in addition improve the training of both ear, nose and throat and pediatric residents.

### Statistics

There was a total of 6,236 visits to the ear, nose and throat clinic during the year. This represents a slight increase from the previous year.

In the Hearing and Speech Department there were 1,131 visits for hearing problems, and 1,694 visits for speech problems, making a total of 2,825 visits. This represents a satisfactory case load when one considers that it is basically handled by one audiologist and one speech therapist.

A total of 510 operations were performed on the ward service, and 507 operations on the private service. This total compares with the previous years.

A total of 198 ear, nose and throat consultations were performed by the department at the request of the ward services of the other hospital departments. This represents an increase from the previous year, and hopefully augurs well for the future. It would still appear to be an insufficient number for a hospital of this size.





## Pathology

Charles F. Begg, M.D., Director

**P**athology Review Sessions continued as in previous years, with the departments of Gynecology, Urology, Surgery, Otolaryngology, and Orthopaedics. The department also participated actively in the weekly tumor conferences.

In Histology, staining methods were reviewed and improved, and more frequent use was made of special staining methods. Fume fixation of lungs was introduced to facilitate the study of cardio-respiratory problems. The number of surgical and autopsy procedures increased in this first full year of coverage of the Woman's Hospital Division.

### Biochemistry

An automated procedure for the performance of the PBI test was instituted. This has resulted in a great saving of time and money. A 12-channel autoanalyzer was delivered in December, and the work of installing it begun. This apparatus will perform twelve separate chemical analyses on each sample of blood. Approximately twenty samples can be handled per hour. This will result in a useful survey

procedure and also an economy in the handling of specimens and in clerical work. The number of procedures carried out by the department increased by over 10%.

## Microbiology

Routine procedures are constantly being monitored and improved. A new media has been instituted for routine stool examinations. A dilution screening procedure for urine cultures has decreased the amount of unnecessary work performed, with resultant increased accuracy of reporting of urine cultures. A new procedure was instituted for the screening of bloods for infectious mononucleosis. The work load of this department increased by approximately 15%.

## Hematology

For the first time we have been able to use quality control standards for the four most commonly performed tests in the laboratory, namely, hemoglobin, hematocrit, red count and white count. Stabilized cell suspensions are used for this purpose, and standards are run daily.

## Investigations

Dr. Victor Bokkenheuser has continued his study of the incidence of *Vibrio fetus* in man, and has presented his findings at two national meetings. Not only has this work been received enthusiastically in this country but has stimulated people in many parts of the world to send serum samples to this laboratory. Dr. Bokkenheuser is also engaged in a joint project with Dr. Mosbach of the Department of Health. This project deals with the effect of anaerobic organisms in bile acid catabolism.

Dr. Stephen Ryan has begun a project in which he will study the effect of injury of alveolar walls in the pathogenesis of emphysema. This study will proceed in the coming years and will make full use of electron microscope technics.

Drs. Begg and Finby of the Department of Radiology, continue to edit the Radiology-Pathology conference section of the New York State Journal of Medicine.

Dr. George Munsick has been working with the Department of Urology in two studies: 1) the production of cancer in tissues transplanted to dog bladder using B-Naphthylamine. This work has been presented at a national urological society meeting. 2) The patency of reconstructed vaso-vasotomies.

Drs. Thomas Chen and Louis B. Dotti have developed a new method for the determination of calcium in icteric sera, and have also adapted it for use in urine and stool. This work has been accepted for publication in the American Journal of Clinical Pathology, and is being presented at the 1967 Federated Societies' meetings.

### Miscellaneous

Dr. Artemis Nash was elected a member of the Arthur Purdy Stout Society.

Dr. Begg is continuing as the Chairman of the City of New York Board of Examiners in the Laboratory Field Inspection program. He also is continuing as Chairman of the General Advisory Committee for the Blood Bank program of the American Red Cross and in this capacity is working for a combined program of the Red Cross and Community Blood Council.

Dr. George Munsick conducted a Pathology Review Session for staff members of the Woman's Division who were to take their Boards in Ob-Gyn.

Dr. Harold Gaetz reviewed pathology with members of our staff about to take their Boards in internal medicine.

Dr. Gaetz also assisted medical residents in illustration and interpretation of morbid anatomy of various lesions which were the subject of case reports\* and research projects\*\*.

\* Estaban Mezey: TBC enterocolic fistula

\*\* John Scott: Lye lesions of the esophagus with various treatments





# Pediatrics

Stuart Shelton Stevenson, M.D., Director

The Department of Pediatrics at St. Luke's is growing. In 1966, more than 1,400 children were admitted to Clark VII and more than 2,149 newborn infants were admitted to the hospital's nurseries. During the same period, almost 33,000 pediatric visits were made to the Emergency Room and the Pediatric Clinics: two-thirds of these visits were to the Emergency Room where children accounted for one-third of all patients seen. Indeed, about 20% of all ambulatory patients seen at the hospital were children.

More in-patients, more newborn infants and especially more ambulatory patients (3,000 more) were cared for by the Pediatric Service than in 1965. It is increasingly apparent that St. Luke's, and, indeed, all of Manhattan, needs more active, practicing pediatricians. It is difficult to entice such men back from the suburbs where they have moved to raise their own growing families and it is imperative that we train our own future attending pediatricians. Pediatric house officers are appointed, when it is possible, who intend to remain in our neighborhood and practice here. Two present house officers plan to base their practice around St. Luke's and one former house officer currently plans to return to active practice in our area. One must hope this trend will continue. Dr. Stevenson has made a rather thorough survey of general practitioners in the St. Luke's area and found, surprisingly, that most of them have little contact with either newborn infants or older children; the trend away from pediatric practice evidently began when family physicians stopped doing home deliveries.

Pediatric practice is increasingly an out-patient service. The Emergency Room is replacing the physician's office and the house-call as a treatment facility. Most visits do not represent true emergencies such as a car accident or a bad burn but are really acute illnesses: the pediatric Emergency Room has become an "acute care" clinic. Patients in all economic brackets visit it because mothers are unable to find private physicians willing to see children; mothers bring children in the evening hours when fathers can remain home to care for other children; mothers bring children at all hours because they are seen quickly and without previous appointment.

To avoid fragmented care of these Emergency Room patients, house staff schedules have been arranged so that the same pediatrician who sees a child in the Emergency Room can see that child in a follow-up appointment visit in the regular Pediatric Clinic. By this system, chosen by the mothers and implemented by the pediatricians, many hospitalizations are avoided. This seems to be economically sound both for the parents and for the hospital and surely an ill child is better off at home with his family. The effect of Medicaid upon out-patient pediatric practice is as yet not clear but probably it will result in an even greater number of pediatric out-patients.

Plans have been completed for the new Pediatric Clinic which will occupy most of the first floor of the new Research and Special Services Building. This will provide an "acute care" clinic operating around the clock and situated adjacent to the regular pediatric clinic. It will take pediatric patients out of the adult emergency room, a necessarily chaotic and inappropriate place for most ill children. It will provide adequate facilities for a general, appointment-oriented clinic where patients can be examined thoroughly and completely and it will provide needed space for pediatric sub-specialty clinics.

## Staff

The Pediatric Service has the finest house staff it has had in many years. With our own attending staff and with an increased utilization of the help of staff members of other departments — help given un-



stintingly and cheerfully — and with the help of Dr. Edward G. Stanley-Brown, our always available friend and lucid and understanding teacher of pediatric surgery — we were able to provide a sound, formal teaching program with daily conferences to complement the house staff's basic clinical experience.

Dr. Judith E. Frank continued her splendid work in the newborn nurseries. The very low newborn mortality rate and a premature infant mortality rate which is one of the lowest in the entire country are witness to the value of her service. Through her, also, the house staff has had first rate training in neonatology, a unique and vital field in pediatrics. Unhappily, she will be taking a two year leave of absence at the end of 1966 in order to be with her husband in the military service but happily, we shall have Dr. Robert W. Mack with us for a time to take her place until she returns.

Dr. William A. Kaloss was appointed Assistant Attending Pediatrician and is working with Dr. Irwin J. Polk in our greatly expanded Pediatric Allergy Clinic. This clinic has become a major teaching facility of the Service and Dr. Polk has made splendid progress with it in the relatively short time he has been with us.

Dr. Elizabeth B. Watkins, working with Dr. Stevenson and with the hospital administration and architects, has completed plans for the new pediatric clinic facility which we need so sorely, as noted above.

Dr. Joseph A. Cannaliato, chief resident and Dr. Paul J. Lombardi, senior resident, plan to remain in our area after finishing their residencies and hope to join our attending staff.

Dr. Gilbert L. Fuld is coming back to us as an Assistant Attending Pediatrician after his period of military service.

Dr. Edward C. Curnen, Professor of Pediatrics at Columbia's College of Physicians and Surgeons, has been appointed as a Consultant in Pediatrics.

Dr. Harold W. K. Dargeon has published a monograph on "Reticuloendothelioses in Childhood", the definitive work in this field.

We should like to express our appreciation to the Department of Religious Services for its unfailing help to our children, their parents and to us in Pediatrics. The Chaplains have been especially helpful in dealing with the heart-breaking problems of children with malignant disease.

### Nursing Service

Our nursing staff remains as loyal, devoted and competent as any we have ever seen and we are most grateful to them. We are particularly delighted that Miss Cynthia Wallace has been assigned as the permanent pediatric nursing supervisor.

The problems of assigning patients to beds on Clark VII present sore difficulties to our nurses and house staff. These problems are seldom appreciated by those who are unfamiliar with the peculiarities of pediatrics in general and of the Clark VII terrain in particular. Twelve nursery cribs, for instance, cannot accommodate older children even if the cribs are empty and there is no other available bed for an older child. Two-bed rooms, the smallest units available on Clark VII, should not house an older boy and girl or an older child and an infant. A patient with a contagious disease (and there are many) must be isolated alone in a room and thus makes the second bed in the room, even though empty, unavailable for another patient. When chicken pox breaks out on the ward, as it does several times a year, the ward must be closed to further admissions of patients who are susceptible to the disease because chicken pox literally "spreads through the air" and isolation of the patient with it in one room is ineffective. Our nurses spend many hours trying to shift patients about safely and appropriately when a physician wishes to admit a patient and the official ward census shows empty beds, though none is actually "available". This not uncommon situation is sometimes difficult to explain to admitting physicians. Clark VII had a waiting list during much of 1966. In the near future, we must temporarily preempt two two-bedded rooms to make room for a needed laboratory and this will, of course, lessen still further the number of "available" beds.

## Teaching Program

Three new clinics have been added in the past year which greatly complement the house staff teaching program and further improve the quality of patient care. The Pediatric Allergy Clinic supplies special training in an important area where it had previously been lacking. The combined Dermatology-Pediatric Clinic, created with the cooperation of Dr. Alexander W. Young, and the combined Otorhino-laryngology-Pediatric Clinic, created with the cooperation of Dr. Stanley Whitfield, have proved to be valuable new facilities, helpful to patients and most rewarding to the house staff of the three departments involved.

The Department of Pediatrics has been "coordinated" with its sister Department at Columbia's College of Physicians and Surgeons, through an agreement between Doctors Curnen and Stevenson, to the advantage of all concerned: Dr. Stevenson spent two months making teaching rounds at Babies Hospital, two of our residents took elective months of training there, and our house staff have been attending weekly grand rounds at Babies Hospital.

Arrangements have been completed to have our house staff observe the operations of the New York City School Health Program in neighboring schools. It is hoped that this will enhance the training of our young doctors in community medicine and will facilitate the referral of ill children from the schools to our clinics.

Our popular and competent Playroom Director, Mrs. Marcia Peck, left us to care for her own new baby but we are delighted with her successor, Mrs. Doris Andrews. The playroom program is not only vitally important for our children but it is also a unique teaching facility to give us a fuller understanding of their personalities and emotional problems.

## Research Program

The Department of Pediatrics, as noted last year, has never had a broad and sound research program. Such a program is necessary if we are to be assured of the most modern treatment methods for

our children, if we are to attract house staff of the highest calibre and are to train them properly, and if we are to strengthen our affiliation with the College of Physicians and Surgeons. Thus, we are most gratified that Dr. Thomas Jenner Moore has accepted an appointment on our staff. Dr. Moore is a Board-certified pediatrician, formerly chief resident in pediatrics at Babies Hospital and has a Ph.D. from the Massachusetts Institute of Technology. He is currently working with the mechanics of nutrition at the cellular level and, in particular, with the means of transport of materials across cell membranes — areas of physiology and pathology which are fundamental to an understanding of normal and abnormal human growth. Under Dr. Stevenson's direction Dr. Moore will develop a research program which sounds promising, thrilling and productive.

Dr. Stevenson plans to resume his investigation of enzyme activities in premature infants.

This new program will be housed in temporary laboratories on Clark VII until the new pediatric laboratories in the Research and Special Services Building can be completed.

## The Future

The Parents' Room, which has been so successful and fulfilled such a real need, has proved to be very warm in the summer time. We hope that some good friends may offer to air condition it in the future.

Clark VII is somewhat dark and dreary for a pediatric ward. We hope that it can be re-decorated with brighter lighting and brighter walls and doors.

Our research program, well along in gestation but still unborn, must be developed and expanded.

We should like to see medical students assigned to our Service from the College of Physicians and Surgeons. Currently, students come only for elective periods because there are enough patients for teaching needs at Babies Hospital. In the future, if the medical school enlarges its student body, medical students hopefully may be assigned here as a regular part of their pediatric training. Their pres-

ence will be stimulating and good for departmental morale and will make our Department truly a *teaching* service.

Finally, in terms of long term planning, it is becoming increasingly obvious that Clark VII should be completely redesigned with one-bed patient units in order to allow better and more economical utilization of the area.

# Physical Medicine

Shyh-Jong Yue, M.D., Director

During 1966, the Department of Physical Medicine continued to render service throughout the Hospital Center, the Out-Patient Department and Columbia Health Service. A total number of 17,237 patients were treated, and 40,188 treatments given. A new standing table and paraffin bath were purchased but no other replacement equipment was needed.

Dr. Antonio Cocchiarella resigned in October. Dr. Milovan Rakic who has completed his training in Physical Medicine and Rehabilitation at the Columbia Presbyterian Medical Center was appointed assistant attending physiatrist on a part-time basis. Dr. Robert A. de Napoli continued to serve in the Electrodiagnostic Clinic.

Regular weekly conferences for the staff were continued as was instruction to student nurses in ambulation techniques. Two junior students from the Columbia University School of Physical Therapists affiliated for several months as part of their training.

Dr. Yue attended the annual meeting of the American Institute of Ultrasonic Medicine and American Congress of Physical Medicine and Rehabilitation in August in San Francisco. He presented a paper at the American Institute of Ultrasonic Medicine on Ultrasonic Therapy for Painful Shoulders. Dr. Yue also attended the annual meeting of the American Academy of Cerebral Palsy in New Orleans in December. In cooperation with Dr. Cocchiarella, Dr. Yue published a paper entitled Rehabilitation of Geriatric Patients with Hip Fracture which appeared in the Journal of the American Geriatrics Society in November. Dr. de Napoli, in collaboration with Drs. Robert E. Love-

lace and Donald L. Schotland published an article entitled The Kugelberg Welander Syndrome in the Transactions of American Neurological Association 1966.

The volunteers continue to help throughout the year in transporting patients to and from the department.





# Psychiatry

John M. Cotton, M.D., Director

During 1966 the expansion and addition of new services in the Department have been so great that a new crisis has developed. The lack of space to house the increased services to the community has made it necessary for us to move into various generous neighboring buildings. The in-patient services and the out-patient services have been rather markedly constricted because of lack of space in the hospital area. Plans are being projected to improve this situation as the building program progresses.

The Community Psychiatry Division has distinguished itself again this year with its innovations and wide acceptance in the community. Most of all, however, during this year I think we have accomplished a real working integration between these expanding services so that St. Luke's Hospital is beginning to function as a true mental health center for this community.

*In-Patient Service* There were 485 admissions in 1966: 217 service patients and 268 private patients. During the year 451 were discharged home, 19 transferred to other services within the hospital, and 9 referred to other psychiatric facilities. The average hospital stay for patients is 45 days.

The in-patient service continues to function within restricted space despite the increased activity. One 3-bed patient room still serves as the Occupational Therapy unit and the larger house staff is pressed for adequate space for patient interviews and conferences.

Psychiatric services under Medicare and Medicaid were implemented in 1966. However, to date there has been no appreciable impact from demand for services. The situation may change in 1967

when the machinery for underwriting these services is functioning better.

On July 1, 1966 Dr. Melvin M. Udel was appointed Assistant to the Director and assumed responsibility for the management of the in-patient service.

*Adult Psychiatric Clinic* The total number of referrals to the Psychiatric Clinic reached a new high in 1966 with a total of 932 patients being referred for treatment or evaluation, an increase of almost 15% over the previous year. With regard to source of referrals, the most striking increase (34%) is seen again in Emergency Room referrals. This continued increase in Emergency Room activity would seem to be confirmation of the need to increase Emergency Room services by providing continuous coverage with part-time staff psychiatrists, at least during the daytime hours. With an increase in the present Emergency Room services, it should be possible to provide more in the nature of short-term emergency treatment to patients with acute problems and crisis situations, also thus reducing the necessity to refer such patients to the clinic.

Intake has been opened to the community served by St. Luke's Hospital over most of the past year. In spite of the continued increase in referrals, it has been possible, through careful selection and administrative processing, and through the use of other community resources, to keep the waiting list for treatment down to a realistic number. At the end of the year, there were only 3 patients on the clinic waiting list. However, because of the slow turnover of patients in psychotherapy, this may represent a wait of 3 to 4 months. As before, patients who need immediate care, or who can profit from pharmacological and supportive therapy, are taken on much more quickly, usually in 1 to 3 weeks.

An evening clinic plays a vitally important part in the overall services of a psychiatric clinic in that it makes it possible for patients who are working to obtain psychiatric help without jeopardizing their jobs. It also makes possible a continuity of care in the case of those patients who have initially been incapacitated by their illness to the

point of being unable to work and whose subsequent improvement makes it possible later on for them to get a job.

Dr. Samuel Thomas has conducted an evening clinic in the Psychiatric Clinic on a weekly basis for a number of years. This year funds were provided by the Hospital and the Community Mental Health Board for the expansion of the clinic to two evenings a week, to be staffed by two part-time psychiatrists. Dr. Frederick Alling has joined the staff to fill one of these positions and a second psychiatrist will be added in the near future.

Two new therapy groups were formed during the past year — a casework group and a student group. The casework group conducted by two of our social workers involves patients with reality problems which would profit from casework assistance. It is felt that the group experience may assist such patients in achieving the goal of dealing with their own reality problems. The students group is made up of college students primarily from Columbia, but also from other institutions in this area.

The space problem in the clinic and the severe limitations imposed by it on the functioning of the clinic have been described in detail in previous reports. With an increase in the residency staff of 3 as of July 1, 1967, 11 residents, 20 attendings, 4 full time social workers, 1 part-time social worker, and 3 full-time secretaries will be having to share among themselves a total of 8 small offices!

There appears to be some hope that additional space will be forthcoming in the next few months. Because of the location of this space elsewhere in the hospital, or even outside of the hospital, it will become necessary in effect to operate two geographically separate clinics for a time. It should, perhaps, be emphasized that this arrangement has inherent administrative disadvantages and should be thought of as a temporary stop-gap measure until adequate space for the clinic in one area within the hospital can be found.

*Training and Research* Dr. Melvin M. Udel and Dr. John McCormack were graduated on June 30, 1966 from the Psychiatry Training Program. Dr. Udel is remaining with us as full-time Assistant to the

Director of the Department of Psychiatry and is in charge of the In-Patient Unit. Dr. McCormack has taken a part-time position with Dr. Richard Glavin at the North Shore Hospital in Manhasset and is establishing a relationship with the Catholic Diocese in Long Island. He also intends to do some work with the schools along with his other activities.

47 applicants for training in Psychiatry were interviewed up to July 1, 1966. Of this number, two appointments were made, one of which resulted in a vacancy because the appointee resigned (with approval of the Director of the Department).

During the period of July 1, 1966 to October 1, 1966, seven appointments were made for training in Psychiatry to start July 1, 1967.

The regular Wednesday afternoon Psychiatry Staff Conferences were well attended throughout the year. It is evident that not only are our own people interested in these conferences but there are many coming from other schools to hear these distinguished speakers from various universities throughout the country.

There were two Visiting Professors during 1966. Dr. Herbert Gas-kill, Chairman of the Department of Psychiatry of the University of Colorado Medical School was with us in May, and Dr. Raymond Waggoner, Chairman of the Department of Psychiatry of the University of Michigan Medical Center, was here in November. Both these Visiting Professors were able to bring the flavor of their own medical schools and their experiences to our group of residents which proved to be of immeasurable value.

The Secondary Schools Research Project is continuing at a good pace. We are accumulating information from all seven schools and it is anticipated that considerable additional work will be necessary to gather together the information we have and present it in an appropriate form. With this in mind Dr. Balser resigned from his position as Director of Psychiatric Training in order to spend more time on the Secondary Schools Research Project. This resignation is effective July 1, 1967, and Dr. Robert Michels was appointed to replace Dr. Balser on that date.



*Child Psychiatry* The year January-December, 1966 was one of both consolidation and expansion. In its direct clinical services this year equalled 1965 in most respects, with some increase occurring in number of total admissions, cases closed, and a significant increase occurring in the number of in-patient consultations provided to the Pediatrics Department and other Services. This latter increase represents the growth of the liaison service with Pediatrics guided by Dr. Clarice Kestenbaum who joined our staff in 1965.

	<u>1965</u>	<u>1966</u>
No. of patients referred for service .....	358	410
No. of patients on rolls ..... on 12/31/65	92	93 on 12/31/66
No. of patients on waiting list ..... on 12/31/65	54	51 on 12/31/66
Interviews with patients (In-patient consultations and OPD) ...	3,284	3,413
Group Sessions .....	186	164
Cases Closed .....	128	157

Additions to the staff in 1966 included Dr. Thornton Vandersall upon the completion of his training. Dr. Vandersall has assumed supervisory, teaching, consultation and treatment responsibilities. Miss Beverly Zbuska and Mrs. Janyce Olson joined the social work staff in Child Psychiatry, joining Mrs. Teresa Gardian and Mrs. Ellen Hirsch. Miss Shoshana Mafдали joined the staff as a specialist in language and learning disabilities.

During 1966 some expansion of services was possible. Child Psychiatry joined with Community Psychiatry in planning and conducting a training program for all the public school guidance counselors in the St. Luke's Hospital district. Also, as a result of Miss Mafдали's addition to the staff we were able to provide diagnostic and treatment services to children with language and learning disabilities which has significantly added to the range and comprehensive nature of our clinic program.

Dr. Vandersall provides a weekly consultation service to the Cathedral School for Boys.

Older programs which have continued are the Riverside Therapeutic Nursery School, group therapy programs for adolescents and for mothers of patients in therapy, resident training in Child Psychiatry and all the usual services of a broadly-based child psychiatry clinic.

*Community Psychiatry* During the year 1966 the Division of Community Psychiatry functioned basically as a consultation and training unit in the St. Luke's Hospital area. The principle of Community Consultation to those professional workers within the community who are responsible for the functioning of large numbers of people was continued. Specifically, intervention has been accomplished in the following areas: The Board of Education, Guidance Counselors and Attendance Counselors; New York City Police Department both on the local and city-wide level, the clergy, the case consultation within the Riverside Health Center, physicians and public health nurses at St. Luke's Hospital Center, Single Room Occupancy housing on both the local and city-wide level, the Genetics Counseling Program at St. Luke's Hospital Center and consultation around the problem of narcotics addiction. The unit has been active in the training of social workers from the Columbia University School of Social Work and the candidates in the training program in Community Psychiatry at the Columbia University College of Physicians and Surgeons. Volunteer workers and indigenous leaders have also undergone training with this unit. The Division of Community Psychiatry works in cooperation with St. Luke's Hospital in evaluation of the out-patient and emergency room facilities.

During the past year some of the new projects considered and initiated included: The Bridge, a half-way house within the St. Luke's area, and programs in SRO housing. Currently in planning stage are programs for the study and treatment of narcotics addicts and a program to service unwed mothers in cooperation with the local school district of the Board of Education.

Both physician and social worker members of the Department of Psychiatry in the Division of Community Psychiatry have been active in public meetings throughout the city. In addition, faculty appointments at Columbia University are held by most of the workers in this Division. Three publications have appeared from the Division within the past year.



*Columbia University Student Mental Health Clinic* During 1966 this division saw a large number of individuals from all quarters of the University and continued to record the annual increase in patient volume noted in previous reports. In order to maintain these services, however, waiting lists were frequently necessary as well as reductions in the duration and number of follow-up and therapeutic sessions in order to accommodate a greater number of applicants.

	1962	1963	1964	1965	1966
Patients .....	345	647	806	963	1,013
Total Visits .....	1,427	1,554	1,748	2,053	1,883

During the latter part of the year the University authorized an increase in staff, at which time the unit was most fortunate in arranging for additional time to be contributed by two of its physicians: Dr. Ernest Wacker, who became Assistant Director on a half-time basis, and Dr. Robert Michels, previously affiliated with the Health Service as a research associate from the Presbyterian Hospital, who became an official member of our staff as well as that of the St. Luke's Hospital Center. A further increase in staff is planned for early 1967.

Increased patient volume has made referral for low-cost treatment an ever more serious problem. The Adult Psychiatric Clinic has been more than generous in its acceptance of many students so referred, and, with the closing of the Morningside Mental Health Clinic in June, Clinic K became our sole low-cost referral facility in the immediate Columbia area.

The extension of psychiatric services into the University community was continued this year, principally through greater contact with numerous groups which have included the various counseling services, faculty and dormitory counselors for the College, Graduate Faculty advisers, officers of the Foreign Student Center, various academic and administrative committees, and many student organizations. Members of our staff have also been active in speaking to groups outside the University and have participated in several televised panel discussions devoted to issues of current psychiatric concern in colleges and universities.



# Radiology

Nathaniel Finby, M.D., Director

## Diagnostic Radiology

Virginia Kanick, M.D., Associate Director

In the year 1966, the Radiology Department has continued its primary effort toward the accurate and efficient performance of all the many routine radiological procedures necessary for the diagnosis and care of our patients.

### Equipment

The continuing modernization of equipment program in effect now for several years called for a redesign of the darkroom facilities in the Clark III Radiology Department during the year 1966. This phase of our plan could not be accomplished in this past year and has now been scheduled for 1967. This redesign will result in a more efficient utilization of space for the department and, in fact, will enable us to create an additional room for a single X-ray unit. The requirement of additional space for even routine X-ray work is our most pressing problem in the Radiology Department. This problem arises partly from lack of replacement of the previous Woman's Hospital 2 diagnostic X-ray rooms and will be accentuated further by the loss of a present Clark III Diagnostic X-ray room necessitated by the Vanderbilt Replacement construction.

### Clinical Activity

The last 7-8 years has produced the development and explosive growth of a new subspecialty in radiology — the so-called special procedures in interventional diagnostic radiology. These techniques have been made possible by the introduction of the Seldinger method of catheterization and by the great versatility of fluoroscopic

image-intensifying systems and the addition of television. The scope of the radiologists' domain has therefore, in this time, increased many times, requiring training, skill, clinical knowledge and experience in the performance of interventional radiology above and beyond the interpretation of the procedural roentgenograms.

The St. Luke's Hospital Diagnostic Radiology Department has been in the forefront of this development and has made significant contributions to techniques particularly in the intravenous angiographic field. We are continuing our interest in the percutaneous introduction of contrast media into various systems of the body (arteriovenous, lymphatic, biliary, subarachnoid). An active teaching program in this field includes a 4th year post-residency fellowship.

### Education and Research

The residency training program benefits greatly from the above program and active participation in special procedures is emphasized in the third year of residency. General radiology training continues to stress the general practice of radiology with emphasis on an active schedule of major intra-and extra-departmental conferences. One of our most rewarding conferences is held in conjunction with the Pathology Department as a weekly Radiology-Pathology Correlation Conference. As previously, portions of these conferences have been published regularly in the New York State Journal of Medicine as "Radiology-Pathology Correlation Conferences of St. Luke's Hospital" edited by Dr. Charles F. Begg and Dr. Nathaniel Finby.

As in previous years, the New York City Combined Residency Teaching Program is sponsored by the Directors of Radiology at Memorial Hospital, Roosevelt Hospital, St. Vincent's Hospital, Mt. Sinai Hospital and St. Luke's Hospital. This program utilizes the best teaching talent at these hospitals for regularly scheduled training seminars in diagnostic and therapeutic Radiology, extending our experience and knowledge in our specialty.

During 1965, numerous publications have been made by various members of the Diagnostic Radiology department—a listing too

lengthy to be enumerated here. Most of these efforts have been concentrated in the field of vascular radiology.

### Future Projects

Since so many of our administrative department problems relate to the geographic division into two widely separated areas, we are hoping that our plans for a more concentrated department on Clark III, perhaps with removal of all radiologists' offices to this area, will become a reality in the future after the Vanderbilt Replacement Building has been erected. Procedure facilities particularly in the Clark III area will become necessary.

Our clinical research and interest in interventional diagnostic radiology will expand as more space and facilities become available.

#### Statistics 1966 — Diagnostic Radiology

	Patients	Exams	Films	Cine 35 mm	Cine 16 mm
<i>In Patients:</i>					
PRI .....	3775	4485	16213	480 ft.	360 ft.
S.P. ....	7664	8924	30853	1180 ft.	1574 ft.
WARD .....	12480	14300	43548	4680 ft.	2275 ft.
COL. INF. ....	228	248	665		
<i>Out Patients:</i>					
PRI .....	2525	2843	9181	80 ft.	835 ft.
OPD .....	9969	10777	32471		455 ft.
COMP .....	535	632	1238		
E.R. ....	10532	12413	26708		
COL. H.S. ....	2373	2513	5316		
H.S. ....	2961	3255	5288		100 ft.
NUR. INF. ....	357	367	468		60 ft.
<i>Clark 8</i>					
PRI .....	235	298	529		
WARD .....	211	244	433		
<b>TOTAL .....</b>	<b>53845</b>	<b>61299</b>	<b>172911</b>	<b>6420 ft.</b>	<b>5659 ft.</b>

### Division, Radiation Therapy Department of Radiology

Leonard M. Liegner, M.D., Chief

The Philosophy of the Division of Radiation Therapy regarding equipment remains the same as it has over the past number of years spe-

cifically, the conviction that all Radiation modalities are important and should be continued in use for the treatment of benign and malignant diseases. The Cobalt 60 Therapy Unit remains the basis for the treatment of deep-seated malignancies. Conventional and superficial x-rays continue to prove useful in the treatment of superficial lesions, pediatric tumors, and benign conditions. Radioisotope Therapy, in the form of radium and other radioactive sources, also remain important Therapeutic tools.

Since external radiation machinery has essentially stabilized over the past five years throughout the world, our attention at St. Luke's Hospital Center has been directed to increasing the accuracy of dose determination as well as actual dose measurements within the patient's body. These measurements are being carried out during external radiation and radium and radioisotope treatment. Refinements in this area have occurred and our division leads in the exploration of new radiation dosimetry techniques. Throughout 1966 extensive exploratory work has been done using thermoluminescent dosimeters which are measuring devices superior to glass rod dosimeters. The thermoluminescent dosimeters are also placed within the body cavities. Their very small size permits them to be placed close to and within critical organs and tissues. The advantage of the thermoluminescent dosimeters relates to their response independent of the quality of the radiation resulting in greater accuracy. The same dosimeters are being investigated for their possible use in place of the conventional radiation safety badges permitting each person exposed to radiation to have their individual exposure accurately recorded.

Mr. Morris Hodara, who is both the Radiological Physicist in the Division of Radiation Therapy has the dual role as hospital Physicist in Radiation Safety. He has carried out his functions in this area and it can be reported that no problems have come to light.

Dr. Liegner and Mr. Hodara have participated in the Radioactive Isotope Course given under the auspices of the Radioisotope Laboratory and the Department of Medicine. Mr. Hodara, particularly, has been important in giving substantial contribution to the basic mathe-



matics and physics portion of the course. Dr. Liegner has participated similarly in these lectures on the subject of organ scanning. Dr. Liegner remains as Consultant in the Radioisotope Laboratory representing the Department of Radiology.

Attention was also directed towards investigating improved dosage techniques in the treatment of various malignant diseases. A rapid dose technique was explored in the treatment of esophageal cancer. The same technique is being employed in a cooperative venture with the Department of Surgery in pre-operative irradiation for esophageal cancer.

With the onset of Medicare in July 1966, an influx of older patients has led to our adjusting to the new problems presented by aged who are referred for definitive Radiation Therapy. Many problems present in this area and a philosophical re-orientation to these patients is being developed so that we might offer them the best of care, taking into consideration their age and general status.

Initial preparations were made by Dr. Liegner and Mr. Hodara towards our future participation in a computer grid net-work linking us with the Memorial Hospital Center computer. This would come to fruition in the following year.

Despite all our efforts towards considering better methods of dose measurement as well as developing methods of delivering radiation more effectively, our attitude in the division still focuses upon giving total care to the cancer patient.

Our role in the initial evaluation of and treatment of cancer patients still deals with the totality of the patients rather than the disease alone. The intimacy of the Division of Radiation Therapy permits us to individualize our treatment and sustain a high degree of supervision.

The scientific achievements of the department follow the former pattern of participation in scientific sessions and attendance at these sessions. A paper on Radium Treatment of Uterine Cancer was presented at the International Congress of Radiology in Rome. This paper was also presented at the International Congress Against Cancer in



Tokyo, October of 1966. The Division of Radiation Therapy has participated in the teaching program in Radiation Therapy at Columbia Presbyterian Medical Center. It is hoped that in the future a still closer relationship will develop between the Radiation Therapy Department at the Medical School and our own division.

The Division of Radiation Therapy and Manhattan College have been involved in formulating a preliminary protocol to evaluate the use of radioactive cesium as a substitute for radium in the treatment of gynecological cancers. This project will be sponsored by the United States Public Health Service which is anxious to prove the value of encapsulated cesium as a replacement for radium. The dosimetry for cesium would be jointly done by the Department of Physics of Manhattan College and the Division of Radiation Therapy, whereas the clinical evaluation of cesium as a radium substitute would be carried out at St. Luke's Hospital Center and Woman's Hospital. The object of the USPH project is to ultimately have sufficient evidence to justify the recall of all radium sources throughout the continental United States since large amounts of radium used in poorly supervised settings throughout the country remain unaccounted for and persists as a potential hazard to our citizens.

Cesium has the advantage as a solid encapsulated radioisotope that it presents no hazard should its contents be spilled. Radium accidentally released would present a major health hazard to all the personnel concerned. Extensive decontamination of such areas would be required. The protocol on this project has not yet been completed. The entire project, before implementation, must be submitted for final approval by the various departmental and hospital committees concerned.

Dr. Liegner has been cooperative with the Electronics Laboratory at Columbia University in the specialized uses of Laser irradiation for the treatment of cancers by means of interstitial application. The project is in its preliminary phase and not yet ready for implementation.

**Statistics for the year 1966: (Radiation Therapy)**

Total New Patients .....	505
Consultations .....	303
Total Treatments (Cobalt 60, X-Ray) .....	7,929
Total Revisits .....	7,580
Total Isotope Treatments .....	139
Total Radium .....	49
Total Follow Up .....	1,357



# Surgery

Harold A. Zintel, M.D., Director

## Introduction

An academic program in general surgery involves a balance between teaching, research and patient care. The foundations for such a balanced program at St. Luke's Hospital Center have been previously well established, so that each of these sections contributed to the smooth operation of the surgical service in 1966. All of the problems of growth, the preservation of the ward teaching service, third party hospital insurance and the building program had been dealt with in prior years. Consequently, the stability enjoyed by the surgical service in 1966 afforded ample opportunity for all members of the staff to devote their full efforts to these three aspects of our curriculum: teaching, research and patient care. With a full complement of well-qualified house officers, our program of graduate training in surgery was fully utilized for the first time in several years. The loss of house staff members to the armed services was anticipated and now that well qualified individuals are returning from the service, vacancies at various levels of training can be filled.

The stature of any surgical service is not based solely on the curriculum of the hospital complex alone; it is also dependent on the so-called extra curricular, though professional activities, of its staff members. Memberships in societies, officerships held, participation in outside lectures, conferences, meetings and active support of local medical societies, all are important contributions to the prestige of any institution.

Of the 24 attending, associate attending and assistant attending surgeons, all are fellows of the American College of Surgeons. Three

of our house staff are candidate members of this organization.

As an example of staff participation in the affairs of the American College of Surgeons, Dr. William Medl is on the Committee on Trauma and has been active in local sectional seminars and conferences on hand injuries. Dr. Charles Schetlin, as physician for Columbia University's football team, likewise is interested in trauma and thus is actively participating in dissemination of knowledge and experience to outside interests.

In recent years, Dr. Harold Zintel, director of surgery, has made five motion picture films, two of which have received American College of Surgeons Certificate of Merit. All five of these films are in the motion picture library of the American College of Surgeons and are available as teaching material to all hospitals and teaching institutions throughout the United States.

In addition to his interest in movie making, Dr. Zintel remains active in a number of societies; foremost among these are an appointment to both the Editorial Board of the American Journal of Surgery and the Conference Committee on Graduate Education in Surgery which is composed of three members each from the Council of Medical Education of the American Medical Association, the American Board of Surgery and the American College of Surgeons. Dr. Zintel has remained on the council of the Surgical Section of the New York Academy of Medicine.

Dr. W. Graham Knox was re-elected Treasurer of the New York Surgical Society of which he is also a member of the council. Dr. Knox also has been very active in the Medical Society of the County of New York of which he is Chairman of the Grievance Committee. Dr. Robert Miller and Dr. Edward Stanley-Brown are also members of the Grievance Committee. Dr. Stanley-Brown acts as specialist consultant in pediatric surgery to the Health Insurance Plan of Greater New York. Dr. Richard Stark, always active, was elected President of the American Society of Plastic and Reconstructive Surgeons; he is Consulting Editor of Surgery, Gynecology and Obstetrics, and a Vestryman of the Church of the Epiphany. Dr. Stark's

artistic endeavors are exemplified by six private exhibits in New York City and Santa Barbara, California. For the fourth consecutive year, Dr. and Mrs. Stark spent four weeks in Saigon with the local civilian population under the auspices of Care/Medico. This is an extremely worthwhile pursuit as the multiple and complex procedures of plastic surgery are demonstrated to the local surgeon as part of a teaching program directed toward equipping these surgeons to perform the procedures themselves.

Dr. Hugh Fitzpatrick has remained as Secretary-Treasurer of the New York Society for Thoracic Surgery. Dr. Colin McCord was appointed Attending Thoracic Surgeon at Harlem Hospital. Dr. John West has become President of the New York Society for the Relief of Widows and Orphans of Medical Men. Dr. Robert Edmunds is Vice President of the Rare Book Room of the New York Academy of Medicine. Dr. John Hutchinson was elected to the Board of Deacons of the Riverside Church.

At the end of 1966 Dr. Alexander Ada automatically became a member of the Consulting Staff. Dr. Ada came to St. Luke's Hospital Center in 1927 as assistant resident in surgery, which he completed in 1929. Dr. Ada was a member of the Founders Group of the Board of Thoracic Surgery. He has been a member of the Attending Staff of St. Luke's Hospital Center since 1929 and has been active in the teaching program for the past 36 years.

We are indebted to the services of Mrs. Edith Rader under whose guidance and assistance the many secretary and administrative duties of the surgical service have been faithfully and expeditiously performed. And as always, we are indebted to the invaluable assistance of Mrs. Helen Hardy, private secretary to Dr. Zintel for the past seven years. Her knowledge and experience are indispensable to the smooth operation of the service.

In the Surgical Research area valuable secretarial assistance has been rendered by Miss Marge Gillick, Miss Margot Krassner and Miss Sharon Walworth.



## Residency Training Program

Eight new interns came to the Surgical Service on July 1, 1966.

Dr. James Hughes, Dr. Leif Holgersen, Dr. William Piper were appointed as third assistant residents. Dr. Anthony Horan, who had a medical internship at St. Luke's Hospital Center the previous year, was also appointed a third assistant resident. Thus, with the seven interns who became first year assistant residents, an excellent complement of house officers was available. Ample opportunity was therefore afforded each of the first year residents for experience in general surgery as well as some field of specialized interest. Most of these individuals have elected to spend time in either urology or plastic surgery. One aspect of particular value in the residency training program has been the assignment of two, first year residents to the cardio-thoracic program. This has proven of great educational value. These individuals also spend time in the surgical research area.

On July 1, 1966, Dr. Randolph Guthrie, Dr. Edward Howard, and Dr. John Hughes concluded their residencies in general surgery at St. Luke's Hospital Center. All three of these individuals entered the armed services for a two year tour of duty. Capt. Guthrie was assigned to duty in Germany, Capt. Howard joined the armed forces in Viet Nam, and Capt. Hughes was stationed in Indiana.

Dr. John White and Dr. Alan Rinestone were appointed Acting Assistant Attending Surgeons of the Medical Staff on July 1, 1966. Dr. John West has remained as senior consultant for the A Service, Dr. W. Graham Knox and Dr. Charles Schetlin both served as responsible attending surgeons to that service. Dr. Edward Stanley-Brown continued to ably supervise the care of the pediatric surgical cases all of whom are currently assigned to the A Surgical Service. Dr. Charles Blair, Dr. Robert Edmunds and Dr. Robert Miller have also given much valuable time and assistance to the smooth functioning of the A Surgical Service. The B Service has continued to enjoy the counseling of Dr. Hugh Fitzpatrick and Dr. Robert Fraser as responsible attendings. Dr. Peter Bossart, Dr. Robert McCabe, and



Dr. Howard Nay have continued to assist in patient care and to assist in the teaching responsibilities.

### Cardiac Surgery

The Cardiac Program, headed by Dr. Colin McCord has continued its gradual expansion. From the inception of this program in August 1965 to December 31, 1966 there have been 94 open heart operations and 12 closed procedures, with only 5 operative deaths. In this group of patients 50 artificial valves have been inserted. A thoracic surgical rotation has been established within the General Surgical Residency Program as a part of a training program in pulmonary and esophageal as well as cardiac surgery. It is our intent to keep these pulmonary and esophageal patients within the four year General Surgical Program, and to allow selected individuals to stay on for longer periods of time for training in cardiac surgery. In 1966 there were 133 thoracic surgical procedures of all types.

During 1966 Dr. John Hutchinson joined the St. Luke's Hospital Surgical Staff as Assistant Attending Surgeon. Dr. Hutchinson trained in thoracic and cardiovascular surgery at the University of Iowa. He is also on the staffs of The Columbia-Presbyterian Hospital and Harlem Hospital and is an Assistant Professor of Surgery at Columbia University. He is a valuable addition to our thoracic surgical staff.

Research projects are underway in the cardiac surgical area investigating the interactions of platelets with synthetic materials, the development of a new type of membrane oxygenator for use in the support of the circulation in patients with acute myocardial infarctions in shock, and the investigation of a variety of new procedures designed to improve coronary blood flow. The first two of these projects are joint projects carried out in conjunction with Professor E. F. Leonard of the School of Engineering at Columbia University and others.

### Chemotherapy

St. Luke's Hospital Center is a participating member of the Clinical

Drug Evaluation Program. This is a national program financed by the National Cancer Institute of the National Institutes of Health in which approximately 50 hospitals of the United States are involved. Data collected by the hospitals is analyzed by computer, either at Madison, Wisconsin, the location of the central office of the Chemical Drug Evaluation Program, or at Roswell Park Memorial Hospital in Buffalo, according to subdivisions of the program as listed below. Drs. Harold Zintel and Robert Edmunds are the Investigators from the Surgical Service, Dr. Edward Reisner from the Medical Service. Dr. Gabriel Rizzi is currently the American Cancer Society Fellow assigned to the General Surgical Service. At the present time we are involved in three studies:

1. The Solid Tumor (general) Study currently evaluating the following drugs — Hexestrol, Hexamethylmelamine, Azotomycin, Actinomycin D, NSC 1026 and NSC 17256E. This study is administered by the Central Group, University of Wisconsin.
2. Melanoma Study (Surgery — PAM Perfusion). This is administered by the Central Group, U.C.L.A.
3. The 5-FU Breast Adjuvant Program (5-FU following radical mastectomy). This is administered by the Eastern Group, Roswell Park Memorial Institute.

Two new studies are about to begin:

1. Phase III, Hexamethylmelamine in Carcinoma of the Lung.
2. Intra-arterial Infusion Study (Methotrexate and Velban followed by radiation or surgery).  
Both to be administered by the Central Group, University of Wisconsin.

Two additional studies are being contemplated:

1. 5-FU second look study in Carcinoma of the Colon.
2. Cooperative Immunologic Study.  
Both to be administered by the Central Group, University of Wisconsin.

## Medical Student Teaching Program

The general surgical service was the only coordinated service with Columbia-Presbyterian Medical Center under the recently augmented affiliation between the Centers. The surgical service continued the fourth year Medical Student Teaching Program. Twenty-two students, each on a two months' rotation, came to St. Luke's as Surgical Externs. They lived in the hospital and shared essentially, the duties of interns on the wards and in the operating rooms and clinics.

## Operating Rooms

Close to 11,000 operative procedures were performed in the main operating room suites, not counting procedures done in the cystoscopy area or the x-ray department.

New improvements in our operating room environment were more evident in 1966. The much needed dressing room facilities for doctors in the Minturn building were completed. Five new operating rooms will be constructed in the replacement of the Vanderbilt Building, all of which will have the latest facilities. One room will be especially equipped for open heart surgery.

When the new operating rooms are completed in the new Vanderbilt Building, a much needed, modern recovery room will be constructed in the area where the older Lyle operating rooms now exist. Some of the older operating rooms will be remodeled for special procedures, including endoscopy, sigmoidoscopy, and minor surgery.

The efficient running of our operating facilities has been under the capable supervision of Miss Hilda Pereira. The staff of 26 registered nurses, three exchange graduate nurses, and six well-trained operating room technicians, has kept the caliber of assistance in the operating room on a high plane.

These new expansion plans are designed to keep the St. Luke's operating area abreast with the best facilities in the country.

## Pediatric Surgery

Of the total 1,409 infants and children admitted to Clark VII during 1966, general surgical care was necessary for 379 patients. Of this number, 282 were ward patients and 97 were cared for on a private or semi-private basis. Not included are urology, ear, nose and throat, orthopedic, and cardiac patients. There were four deaths during the year of pediatric general surgical patients.

There are few surgical specialties in which expert nursing care is as essential to the patient's recovery as is the case in the surgery of infants and children. A carefully planned and well conceived operative procedure may easily fail altogether without optimal nursing care before, during, and after the surgical operation. Our devoted nursing staff, many of whom have worked with us since the inception of the pediatric surgical service, continue to provide dedicated and peerless nursing care. It is a pleasure to say "Thank you" to each one of our superb nurses.

## Peripheral Vascular Surgery

Peripheral vascular surgery has continued to show exceptional growth as a subspecialty of general surgery. In 1966 a total of 97 arterial reconstructive operations were performed. This figure is exclusive of thoracic, cardiac and sympathetic ablation procedures.

It is of interest to note the contrast of the above total with the figure of 16 arterial reconstructions which were done in 1957 (10 years prior) and the total of 41 arterial operations performed in 1961 (five years prior).

Aided by the diagnostic angiology available from the Department of Radiology and the continued success of the Peripheral Vascular Clinic, vascular problems at St. Luke's Hospital Center are assessed and treated on a par with any institution in the community.

Drs. Schilling and Knox continue to serve as Co-Chiefs of the Peripheral Vascular Clinic, ably aided by Dr. Robert McCabe of the Department of Surgery. Dr. Knox has recently been appointed Con-

sultant in Vascular Surgery to the United Hospital in Portchester, New York.

Currently, all the data acquired in the operative treatment of peripheral vascular problems are being placed on data processing cards. This, when completed, will make statistical analysis available for every vascular reconstructive procedure performed in our institution since the first arterial graft was performed in 1951. This 16-year experience with the valuable follow-up data will serve an excellent teaching function.

### Plastic Surgery

The Plastic Surgery Division under the direction of Dr. Richard B. Stark, continued to play a significant role at St. Luke's during 1966. There were few areas in which increased activity was not observed.

Dr. Stark traveled widely during the year, actively participating in several meetings and giving numerous lectures and discussions. His February trip to South East Asia was rewarding and included visits to the Middle East, India, Thailand, and Malaysia as well as Viet Nam. Time in Saigon, South Viet Nam, was spent in clinical teaching as a continuation of the program in plastic surgery initiated several years ago. This has been a highly successful program and is based on the premise that far more can be achieved by training surgeons of high caliber in their own country than can be done by bringing them to the U.S. where they may be lost to their native country by electing to remain in the U.S.

Following the serious and untimely illness of Dr. Horace Klabunde, President of the American Society of Plastic and Reconstructive Surgeons, Dr. Stark became president of the largest plastic surgery society in the world. He also was appointed visiting professor of plastic surgery at the University of Michigan for a period of one week.

Dr. Robert Roth, who has spent the past four years in Korea as a medical missionary returned to St. Luke's in July and joined the general surgical service as an acting assistant attending surgeon to study orthopedic and plastic surgery. Dr. Roth completed his resi-

dency in general surgery at St. Luke's and general surgery has constituted his major work in Korea. However, in the absence of trained plastic surgeons most of the plastic and reconstruction work became his responsibility. Dr. Roth has done a splendid job and deserves great praise for his efforts. He was a definite asset to the Plastic Service during 1966 and will continue his role for the first six months of 1967 before returning to Korea for an additional five year period.

Dr. Thomas Sumners completed his first full year as resident in plastic surgery. During this time there has been a sizeable increase in the clinic patient load and in the number and variety of patients admitted for surgery as compared with the previous year. Dr. Sumners deserves credit for this.

During 1966 residents from the General Surgical Service were assigned to plastic surgery at intervals of three months. The resident followed all patients closely with Dr. Sumners, participated in many surgical procedures, contributed greatly to patient care and participated in conferences and rounds. We feel that this has been of great value to both the surgical residents and to the plastic service.

Research during 1966 included studies of cleft palate speech, the etiology of congenital malformations, and chromosomal aberrations in cleft palate children. In addition, clinical studies of the results of primary pharyngeal flap surgery were continued. This study was initiated by Dr. Stark in 1955. The evidence now available indicates that this surgery is superior to other methods of primary palatal surgery in that a higher percentage of children learn to speak well and require less corrective speech therapy.

Drs. Stark, DeHaan and Sumners all contributed to the teaching program which included medical students from the Columbia University College of Physicians and Surgeons.

Dr. DeHaan gave several lectures to nursing and physician groups outside the New York City area on topics relating to the surgery of trauma, cancer and congenital malformations.

Mrs. Margie DeForest Haight, as Research Assistant, has continued

to manage the Robert Abbe Laboratory of Plastic Surgery with efficiency and friendliness.

## The Stuyvesant Surgical Association

The Stuyvesant Surgical Association with a membership of 22 attending staff surgeons was formally organized in January 1967.

The Association, legally constituted by a partnership agreement, replaced the pre-existing Stuyvesant Surgical Group originally conceived for the care of surgical teaching patients having professional service fee insurance.

The management of the Association is directed by a five member Board of Managers elected from the ranks of Senior and Associate Attending Surgeons. Patients admitted to the Surgical Service have increasingly become the beneficiaries of some form of third-party professional care insurance provided by either Medicare, Medicaid, Blue Shield, Union employer, or in a few instances, individual contracts.

These insurance contracts, regardless of the source of the insurance monies, usually provide for semi-private hospital accommodations and care by a "private" or attending surgeon. The third party insurer, unfortunately, neither considered nor made provision for continuance of surgical training as exemplified by the long-established residency training programs utilizing ward patients.

The Stuyvesant Surgical Association represents an effort by the Surgical Attending Staff to provide private attending surgeons for such insured patients while, at the same time, retaining these patients for clinical surgical training. "Identifiable" professional care and "continuity of treatment", prime definitions used by government and other medical insurance providers, are thus made available to such insured patients by the Association. A private office is maintained in the Stuyvesant II office area where the "semi-private teaching" patients are followed by the treating Association Attending after hospital discharge.



All business aspects of the Association are under the control and direction of the five elected Managers and are conducted in a manner similar to any practicing medical partnership. The Association office in the Stuyvesant II office area handles all insurance claims, billing and disbursements.

In the first quarter of 1967, of a total of 344 patients admitted to the surgical service 82 were treated by the Association as teaching semi-private cases.

No doubt this percentage of patients covered by "third party" insurance will increase rapidly and it is anticipated that within a year or two all former surgical ward (teaching) patients will be semi-private patients.

The mechanism of maintaining these patients in a "teaching" category, yet offering them "semi-private" care, including the services of a member of the attending surgical staff, should be completely fulfilled by the Stuyvesant Surgical Association. Members of the present Board of Managers as elected by the membership are: Drs. C. R. Blair, R. W. Fraser, W. Graham Knox, C. F. Schetlin and H. A. Zintel. Dr. Knox serves as Chairman of the Managers.

## Surgical Research Laboratories

The facilities of the surgical research laboratories were used by a large number of the staff. During the year a total of 568 operative procedures — 165 major procedures and 403 minor procedures were performed. The following are outlines of some of the specific projects under way during the year 1966:

1. *Portacaval Transposition in Renovascular Hypertension*: The interrelationships between portal circulation, hepatic enzymes and hypertension of renal origin are being investigated by Drs. Zintel, McCabe, Takagi and Gomez. A sustained hypertension has been produced by injection of iron carbonyl particles into the renal artery or by stenosis of the main or branch renal artery. Juxtaglomerular hypertrophy has been documented in these cases. In other experi-

ments, hypertension has been produced by rendering the kidney ischemic. In these kidneys, no juxtaglomerular hypertrophy has occurred. It is apparent from these studies to date that the ischemic kidney under these circumstances produces a hypertension through a mechanism other than the renin-angiotensin system.

2. *Bouginae and Corticosteroids in Acute Corrosive Esophagitis:* The present study was undertaken to evaluate the effectiveness of corticosteroids and bougine in the prevention of stricture formation. Particular emphasis was placed on the concomitant use of steroids with bougine by Drs. Zintel, Knox, McCabe, Guthrie and Scott.

An experimental model was used in which controlled lye burns were created in the dog's esophagus. Some animals were untreated while others were treated with steroids in varying doses, bougine and a combination of steroids and bougine.

It was found that the best results were obtained in those animals in which steroids in small dosage and bougine were employed. The clinical application is self evident.

3. *Nidation as an Episode of Acute Inflammation:* Dr. Horan is involved in a project designed to show whether the local increase in capillary permeability to protein and the granulocytic infiltrate seen in the early hours in nidation are essential for the successful completion of nidation. In other words, the governing hypothesis is that a stage of inflammation beyond histamine release is provoked both by the oestrogen surge of L3 and the invading blastocyst. Thus, agents for the control of fertility might be found among known anti-inflammatory drugs which are not antihistamine.

4. *Interaction of Platelets with Prosthetic Materials:* Drs. McCord, Leonard, Fitzpatrick and Mr. Friedman are trying to determine the degree to which platelets adhere to various materials under controlled conditions of shear *in vitro* and *in vivo* using a) a shear chamber, b) an extracorporeal loop and c) an intravascular test segment. In addition, they are attempting to determine if thrombogenicity is related to platelet adhesiveness again under a variety of controlled

shear (flow) conditions and in the three previously mentioned environments. Furthermore, the experiment is designed to improve explicit understanding of the role of fluid mechanics in platelet adhesion in thrombogenesis.

5. *Potassium Balance During and After Surgery for Acquired Heart Disease:* Drs. McCord, Fitzpatrick and Rizzi, in conjunction with Drs. Case and Parson of the Department of Medicine, have designed a project to quantitate the amount of potassium depletion present preoperatively in patients with chronic valvular heart disease, the rate of return towards normal after surgery and potassium loss during and after operation with cardiopulmonary bypass.

Using  $K^{42}$  they have shown that in some patients the expected potassium depletion is truly remarkable with levels as little as 40% of predicted normal. A policy has been adopted clinically to give rather large doses of potassium replacement before, during and after operation (60-100 meq./24 hours). A review of the incidence of arrhythmias suggests that this may have been beneficial.

6. *Comparison of Preservation Techniques for Homograft Aortic Valves:* Drs. Nay, Fitzpatrick and McCord have been studying different techniques for preserving homograft aortic valves. Three groups of canine homograft aortic valves shall be obtained and preserved by three techniques (beta propiolactone solution, mercury salt solution and radiation deep freezing).

The homograft valves will be inserted into the descending thoracic aorta of the recipient dogs. Biochemical studies and tensile strength studies are planned.

To date a group of control dogs have been studied using fresh homograft aortic valves.

7. *Study of Patients in Shock:* This project is designed to study new physiologic parameters of patients in shock. Drs. Miller, McCord, Fitzpatrick and Zintel are interested in determining, if possible, the major deficit in the patient in shock and this may lead to better treatment of these patients. Those physiologic studies planned are measurements of cardiac output, blood volume, peripheral resist-

ance, blood flow, pH,  $p\text{CO}_2$ ,  $p\text{O}_2$ ,  $\text{O}_2$  saturation and lactate concentration.

To cast some light on the myocardial function in the first 24 hours after heart surgery, cardiac outputs are being measured in these patients in the Intensive Care Unit. It may be possible to extend this aspect of the project to the problem of cardiogenic shock in patients with myocardial infarction.

### Tumor Registry

The Tumor Registry completed its third complete year with Dr. Robert Edmunds as the Physician-in-Charge and Miss Rae Morse, R.N. as the Registrar. Slightly more than 800 tumors were registered in the year 1966. With the good cooperation of the attendings, house staff, and clinic personnel a better than 90 per cent follow-up is being maintained.



# The Medical Staffs

Including Appointments to the Outpatient Staff and the Clinic Staffs  
as of July 1, 1967

## Medical Service

### Director of Medicine and Attending Physician

Theodore B. Van Itallie, M.D.

### Consulting Physicians

Louis A. Amill, M.D.  
Stanley E. Bradley, M.D.  
G. Jarvis Coffin, M.D.  
John Staige Davis, Jr., M.D.  
Waldo B. Farnum, M.D.  
Albert C. Herring, M.D.  
Oswald R. Jones, M.D.  
John M. McKinney, M.D. (Neurology)  
Gertrude H. B. Nicolson, M.D.  
(Cardiology)  
James R. Scott, M.D.  
W. H. Sebrell, Jr., M.D. (Nutrition)  
Robert F. Solley, M.D.  
William L. Tucker, M.D.  
Karl Vogel, M.D.

### Associate Attending Physicians

John F. Bertles, M.D.  
Robert B. Case, M.D.  
Donald P. Dallas, M.D.  
George Dermskian, M.D.  
James A. Feltman, M.D.  
Francis G. Geer, M.D.  
Maurice F. Goodbody, M.D.  
Robert S. Graham, M.D. (Neurology)  
Sami A. Hashim, M.D.  
James G. Hilton, M.D.  
Peter R. Holt, M.D.  
Richard P. Keating, Jr., M.D.  
E. Eugene Mullen, M.D.  
William J. Pyles, M.D.  
Charles H. Richards, M.D., (Neurology)  
Fred J. Schilling, M.D.  
Miles J. Schwartz, M.D.  
Craig N. Smith, M.D.  
Frank E. Smith, M.D.  
Aubrey L. Whittemore, M.D.

### Attending Physicians

Charles G. Adsit, Jr., M.D.  
Robert S. Beekman, M.D.  
A. L. Loomis Bell, Jr., M.D.  
Charles K. Bogoshian, M.D.  
Edward P. Childs, M.D.  
C. Louis Gilbert, M.D.  
Jed H. Irvine, M.D.  
John H. Keating, Jr., M.D.  
William S. Norton, II, M.D.  
Samuel F. Thomas, M.D. (Neurology)  
Myron Wright, M.D.

**Assistant Attending Physicians**

William J. Athos, M.D.  
C. Redington Barrett, M.D.  
Carl W. Braun, M.D. (Neurology)  
Robert G. Campbell, M.D.  
Gilbert R. Cherrick, M.D.  
Richard S. Crampton, M.D.  
Paul Cushman, M.D.  
Hugh C. Davidson, Jr., M.D.  
Elizabeth B. Decker, M.D. (Neurology)  
Robert A. DeNapoli, M.D. (Neurology)  
Frederick A. Flatow, Jr., M.D.  
Jonas M. Goldstone, M.D.  
Michael H. Grieco, M.D.  
William S. Hopewell, M.D.  
Benjamin Kightlinger, M.D.  
Richard S. McCray, M.D.  
Marjorie Nelson, M.D.  
(Columbia Infirmary)  
Hector Perrone, M.D.  
Richard N. Pierson, Jr., M.D.  
Francis X. Pi-Sunyer, M.D.  
Edward H. Reisner, M.D.  
Martin A. Rizack, M.D.  
Seiichi Shimomura, M.D.  
Herbert J. Smith, M.D.  
Thomas T. Tamlyn, M.D.  
Paul R. Torrens, M.D. (Public Health  
and Community Medicine)

**Acting Assistant Attending Physicians**

Airlie C. Cameron, M.D.  
Michael Dubin, M.D.  
Arthur J. Lennon, M.D.  
Ernest C. Richards, M.D.

**Consulting Cardiologists**

Gertrude H. B. Nicolson, M.D.  
Elvira Ostlund, M.D. (Pediatrics)

**Cardiologist**

E. P. Childs, M.D.

**Associate Cardiologist**

A. L. Loomis Bell, Jr., M.D.

**Assistant Cardiologists**

Robert B. Case, M.D.  
Miles J. Schwartz, M.D.

**Research Associates**

David Chalfin, M.D.  
George J. Christakis, M.D.  
William F. Haynes, M.D.  
Veljko Krstulovic, M.D.  
Esteban Mezey, M.D.  
Kenneth N. Weinstein, M.D.  
Coenraad D. Westermann, M.D.

**Appointments to Out-Patient  
Department Staff**

Antonio Acosta-Velarde, M.D.  
Eric Andrea, M.D.  
Robert C. Atkins, M.D.  
Harry Bartfeld, M.D.  
Herbert R. Blain, M.D.  
Cecil Broderick, M.D.  
John Jay DuBois, M.D.  
Edward Dwyer, M.D.  
Emanuel Goldstein, M.D.  
Peter H. Gott, M.D.  
Horace W. Hurley, M.D.  
Consuela Ives, M.D.  
Paul Keating, M.D.  
Michael O. Kovaleff, M.D.  
Monroe B. Kunstler, M.D.  
Worth Boyd Lintz, M.D.  
Burton P. McHugh, M.D.  
Mary V. Nelson, M.D.  
Harry A. Roselle, M.D.  
Robert B. Roven, M.D.  
Louis F. Scian, M.D.  
Katherine Shishlow, M.D.  
Sheldon A. Sorokoff, M.D.  
Eugene R. Stanton, M.D.  
John A. Taylor, M.D.  
Isabella S. Wakeham, M.D.

**General Medical Clinic**

Myron Wright, M.D. (Chief)

**Allergy Clinic**

Aubrey L. Whittemore, Jr., M.D. (Chief)  
Michael H. Grieco, M.D.  
Ruth Kessler, M.D.  
Michael O. Kovaleff, M.D.  
Irwin J. Polk, M.D.



**Arthritis Clinic**

John Staige Davis, Jr., M.D. (Chief)  
 Herbert R. Blain, M.D.  
 Dumont F. Elmendorf, M.D.  
 Jed H. Irvine, M.D.  
 Milovan Rakic, M.D.

**Cardiac Clinic (Adult)**

Donald P. Dallas, M.D. (Chief)  
 Richard S. Crampton, M.D.  
 Hugh C. Davidson, Jr., M.D.  
 William S. Hopewell, M.D.  
 Paul Keating, M.D.  
 Robert B. Roven, M.D.  
 Seiichi Shimomura, M.D.

**Chest Clinic (Adult)**

Charles K. Bogoshian, M.D. (Chief)  
 Antonio Acosta-Velarde, M.D.  
 Francis G. Geer, M.D.

**Diabetes Clinic**

William S. Norton, II, M.D. (Chief)  
 Robert G. Campbell, M.D.  
 Maurice F. Goodbody, M.D.  
 Sami K. Hashim, M.D.  
 Benjamin N. Kightlinger, M.D.  
 Mary V. Nelson, M.D.  
 Xavier Pi-Sunyer, M.D.  
 Sheldon Sorokoff, M.D.  
 Dr. William Frey — Podiatrist  
 Dr. Milton Meyers — Podiatrist

**Emphysema Clinic**

A. L. Loomis Bell, Jr, M.D. (Chief)  
 C. Redington Barrett, Jr., M.D.  
 Eric Andreae, M.D.  
 Michael H. Grieco, M.D.  
 Burton P. McHugh, M.D.

**Endocrine Clinic**

James G. Hilton, M.D. (Chief)  
 William J. Athos, M.D.  
 Paul Cushman, M.D.  
 Coenraad D. Westermann, M.D.

**Gastro-Intestinal Clinic**

C. Louis Gilbert, M.D. (Consultant)  
 Peter R. Holt, M.D. (Chief)  
 John Jay DuBois, M.D. (Asst. Chief)  
 David Chalfin, M.D. (Endoscopy)  
 Gilbert Cherrick, M.D.  
 Charles Flood, M.D. (Endoscopy)  
 Monroe B. Kunstler, M.D.  
 F. Stafford Wearn, M.D.  
 (Surgical Consultant)

**Hematology Clinic**

John F. Bertles, M.D. (Chief)  
 Louis A. Amill, M.D.  
 Jonas M. Goldstone, M.D.  
 Edward H. Reisner, M.D.  
 Myron Wright, M.D.

**Hypertension Clinic**

Miles J. Schwartz, M.D. (Chief)  
 Arthur J. Lennon, M.D.  
 Richard N. Pierson, M.D.  
 Coenraad D. Westermann, M.D.

**Medical Obstetrical Clinic**

Robert Beekman, M.D. (Chief)

**Neurology Clinic**

Samuel F. Thomas, M.D. (Chief)  
 Robert S. Graham, M.D.  
 Charles H. Richards, M.D.

**Peripheral Vascular Clinic**

Fred J. Schilling, M.D. (Co-Chief)  
 W. Graham Knox, M.D. (Co-Chief)  
 Robert E. McCabe, Jr., M.D.

**Thyroid Clinic**

Richard P. Keating, Jr., M.D. (Chief)  
 Charles G. Adsit, Jr., M.D.  
 George Dermskian, M.D.  
 Carl S. Oakman, M.D.  
 Richard Pierson, M.D.  
 William J. Pyles, M.D.

### **Combined Medical-Surgical Cardiac Clinic**

Donald P. Dallas, M.D. (Chief)  
Richard S. Crampton, M.D.  
Hugh C. Davidson, Jr., M.D.  
George Dermksian, M.D.  
William S. Hopewell, M.D.  
Paul Keating, M.D.  
Veljko Krstulovic, M.D.  
Robert B. Roven, M.D.  
Seiichi Shimomura, M.D.  
Colin W. McCord, M.D.  
John E. Hutchinson, M.D.  
Hugh F. Fitzpatrick, M.D.  
E. P. Childs, M.D.  
A. L. Loomis Bell, M.D.  
Robert Case, M.D.  
Michael Dubin, M.D. (Fellow)  
Airlie Cameron, M.D. (Fellow)

## **Surgical Service**

**Director of Surgery  
and Attending Surgeon**  
Harold A. Zintel, M.D.

**Consulting Surgeons**  
Alexander E. W. Ada, M.D.  
Edward J. Donovan, M.D.  
George H. Humphreys, II, M.D.  
William F. Macfee, M.D.  
Paul C. Morton, M.D.

**Attending Surgeons**  
Hugh F. Fitzpatrick, M.D.  
Robert W. Fraser, Jr., M.D.  
W. Graham Knox, M.D.  
Herbert Parsons, M.D.  
Bronson Sands Ray, M.D.  
(Neuro-Surgery)

Richard B. Stark, M.D.  
F. Stafford Wearn, M.D.  
John P. West, M.D.

### **Associate Attending Surgeons**

Charles R. Blair, M.D.  
Peter A. Bossart, M.D.  
Clayton R. DeHaan, M.D.  
Howard Dunbar, M.D. (Neuro-Surgery)  
Colin McCord, M.D.  
Carl S. Oakman, M.D.  
Charles F. Schetlin, M.D.  
Edward G. Stanley-Brown, M.D.

### **Assistant Attending Surgeons**

Engel P. Hevenor, M.D.  
John E. Hutchinson, III, M.D.  
Robert E. McCabe, Jr., M.D.  
William T. Medl, M.D.  
Robert E. Miller, M.D.  
Howard R. Nay, M.D.  
Robert W. Schick, M.D.

### **Acting Assistant Attending Surgeons**

Roger Newman, M.D.  
Gabriel T. A. Rizzi, M.D.

### **General Surgical Clinic**

W. Graham Knox, M.D. (Chief)  
Charles R. Blair, M.D.  
Peter A. Bossart, M.D.  
Robert E. McCabe, Jr., M.D.  
Robert E. Miller, M.D.  
Howard R. Nay, M.D.

### **Chemotherapy Clinic**

Robert Edmunds, M.D.  
Edward H. Reisner, M.D.

### **Hand Clinic**

Clayton R. DeHaan, M.D. (Chief)  
William T. Medl, M.D.

### **Neurosurgical Clinic**

Robert W. Schick, M.D.

**Pediatric Surgical Clinic**

Edward G. Stanley-Brown, M.D. (Chief)

**Peripheral Vascular Clinic**

W. Graham Knox, M.D.

Robert E. McCabe, M.D.

**Plastic Surgical Clinic**

Richard B. Stark, M.D. (Chief)

Clayton R. DeHaan, M.D.

**Rectal Clinic**

F. Stafford Wearn, M.D. (Chief)

Malcolm Moley, M.D. (Assistant)

**Obstetrical and  
Gynecological Service****Director of Obstetrics and  
Gynecology and Attending  
Obstetrician and Gynecologist**

Harold M. M. Tovell, M.D.

**Consulting OBS/GYN**

Albert H. Aldridge, M.D.

Irving H. Beckwith, M.D.

G. Gordon Bemis, M.D.

Edward A. Bullard, M.D.

Joshua W. Davies, M.D.

R. Gordon Douglas, M.D.

Inglis Frost, M.D.

John G. Hill, M.D.

Locke L. Mackenzie, M.D.

James P. Marr, M.D.

J. George Moore, M.D.

Arthur J. Murphy, M.D.

Joseph N. Nathanson, M.D.

Nelson B. Sackett, M.D.

Howard C. Taylor, Jr., M.D.

Gray H. Twombly, M.D.

**Attending OBS/GYN**

Haig Carapetyan, M.D.

Arthur M. Davids, M.D.

Graham G. Hawks, M.D.

Leonard L. Hyams, M.D.

Carl T. Javert, M.D.

Elise L. Renning, M.D.

Edward J. Sivigny, M.D.

**Associate Attending OBS/GYN**

William O. Buell, M.D.

William Epstein, M.D.

Emanuel Klempner, M.D.

Van P. Latsey, M.D.

Bernard N. Nathanson, M.D.

Esther M. Ward, M.D.

**Assistant Attending OBS/GYN**

John S. Aldridge, M.D.

Stuart Oster, M.D.

Ian G. Van Praagh, M.D.

Lajos I. Von Micsky, M.D.

**Acting Assistant Attending OBS/GYN**

James H. Weir, M.D.

**Research Associate in OBS/GYN**

Barbara J. Johnson, M.D.

**OBS/GYN Clinics**

Edward J. Sivigny, M.D. (Chief)

**Assistants**

Albert Altchek, M.D.

Murray Arnold, M.D.

Ramon Basora, M.D.

Robert Dell-Angelo, M.D.

Dolores E. Fiedler, M.D.

Young Kim, M.D.

James H. Ko, M.D.

Alberto Lomeo, M.D.

Anne B. Pierson, M.D.

Norman H. Pritchard, M.D.

Martin Siegelman, M.D.

Clarence E. Woodward, M.D.

## Specialty Clinics OBS/GYN

### **Infertility and Endocrine Clinic**

Haig Carapetyan, M.D. (Chief)  
Paul Cushman, M.D.  
Dolores E. Fiedler, M.D.  
James H. Weir, M.D.

### **Tumor Clinic**

Harold M. M. Tovell, M.D. (Chief)  
Ian Van Praagh, M.D.  
John S. Aldridge, M.D.  
Leonard M. Liegner, M.D.  
(Radiotherapy)  
Elise L. Renning, M.D.  
Barbara Johnson, M.D. (Chemotherapy)

### **Obstetrical Medical Clinic**

Robert S. Beekman, M.D. (Chief)  
Albert Altchek, M.D.

### **Family Planning Clinic**

Stuart Oster, M.D. (Chief)  
Anne B. Pierson, M.D.  
Martin Siegelman, M.D.

## Pediatrics

### **Director of Pediatrics and Attending Pediatrician**

Stuart S. Stevenson, M.D.

### **Consulting Pediatricians**

Harry S. Altman, M.D.  
Ruth J. Cudmore, M.D.  
Edward C. Curnen, M.D.  
Harold W. K. Dargeon, M.D.  
Reginald A. Higgons, M.D.  
Frederick C. Hunt, M.D.  
Herbert F. Jackson, M.D.  
F. Elmer Johnson, M.D.  
John F. Landon, M.D.  
Gertrude H. B. Nicolson, M.D.  
Elvira Ostlund, M.D.  
Philip M. Stimson, M.D.

### **Attending Pediatricians**

J. Frederick Eagle, Jr., M.D.  
Elizabeth B. Hinckley, M.D.  
Margaret H. McKee, M.D.  
Elizabeth B. Watkins, M.D.  
Leo F. Wilking, Jr., M.D.

### **Associate Attending Pediatricians**

Catherine Lodjensky, M.D.  
Maxcy Jean Smith, M.D.  
Patricia E. Spier, M.D.  
Doris L. Wethers, M.D.

**Assistant Attending Pediatricians**

Joseph Cannaliato, M.D.  
 Elisabeth B. Decker, M.D.  
 Carol C. Dickson, M.D.  
 Judith Frank, M.D.  
 Gilbert L. Fuld, M.D.  
 Domenick K. Galluzzo, M.D.  
 Charles R. Jones, M.D.  
 William A. Kaloss, M.D.  
 Paul Lombardi, M.D.  
 Mary E. McMichael, M.D.  
 Thomas J. Moore, M.D.  
 Irwin J. Polk, M.D.  
 K. Aurelia Raciti, M.D.  
 Dudley A. Roberts, M.D.  
 Eleanor T. Roth, M.D.  
 Lucy H. Swift, M.D.

**Acting Assistant Attending Pediatricians**

Pedro P. Cantillo, M.D.  
 Anafred Nelson Halpern, M.D.  
 Ruth Kessler, M.D.

**Chief of Pediatric Clinic**

Elizabeth B. Watkins, M.D.

**Assistants**

Kamila Balk, M.D.

**Children's Cardiac Clinic**

\*Robert B. Case, M.D. (Chief)  
 \*Robert C. Atkins, M.D.  
 Elvira O. Ostlund, M.D.  
 Maxcy J. Smith, M.D.  
 Lucy H. Swift, M.D.

\*Assigned From Medical Service

**Special Services Anesthesiology****Director of Anesthesiology and Attending Anesthesiologist**

Louis S. Blancato, M.D.

**Consulting Anesthesiologist**

George Edgar B. Burford, M.D.  
 Emanuel M. Papper, M.D.

**Attending Anesthesiologist**

Aino Tuul, M.D.

**Associate Attending Anesthesiologists**

Ennio Gallozzi, M.D.  
 Errol N. Harding, M.D.  
 Sui Tsung Lee, M.D.

**Assistant Attending Anesthesiologists**

Joseph Iacovelli, M.D.  
 Edward Los, M.D.  
 Tsu-Chin Peng, M.D.  
 Altagracia H. Polanco, M.D.

## Dentistry

### Director and Attending Dental Surgeon

Edward Stroh, D.D.S.

### Consulting Dental Surgeons

Malcolm W. Carr, D.D.S.

Edward J. Ortion, D.D.S.

Henry G. Rieger, D.D.S.

### Attending Dental Surgeons

Eugene R. Ball, D.D.S.

Anthony S. Caruso, D.D.S.

(In Prosthodontics)

Francis J. Faggella, D.D.S.

William Ferderber, D.D.S.

Louis G. Haase, D.D.S.

### Associate Attending Dental Surgeon

Edgar L. Buehler, D.D.S.

(In Pedodontics)

### Assistant Attending Dental Surgeons

Ashley Brown, D.D.S.

Jerome Friedman, D.D.S.

Lawrence E. Himelfarb, D.D.S.

Kurt Koral, D.D.S.

Kenneth Levy, D.M.D.

David P. Malkin, D.M.D.

Elvin J. Marged, D.D.S.

Andrew Ragona, D.D.S.

Byron S. Severns, D.D.S.

Cosmo J. Vetrone, D.D.S.

Edward G. Vollmer, D.D.S.

(In Orthodontia)

### Clinic Assistant

Richard H. Sand, D.D.S.

## Dermatology

### Director of Dermatology and Attending Dermatologist

Alexander W. Young, Jr., M.D.

### Consulting Dermatologists

Valentine C. Baker, M.D.

Leslie P. Barker, M.D.

Penny M. Sachs, M.D.

Tryphosa R. Worcester, M.D.

### Attending Dermatologist

Juan Larralde, M.D.

### Chief of Dermatology and Syphilis Clinic

Alexander W. Young, Jr., M.D.

### Assistants

Herbert Kraut, M.D.

Peter Lombardo, M.D.

Roy Albert Stephens, M.D.

Eugene Sweeney, M.D.

## Ophthalmology

### Director of Ophthalmology and Attending Ophthalmologist

Harry Eggers, M.D.

### Consulting Ophthalmologists

John H. Dunnington, M.D.

Walter Hipp, M.D.

Algernon B. Reese, M.D.

Henry T. Smith, M.D.

### Attending Ophthalmologists

Graham Clark, M.D.

Ira S. Jones, M.D.

Robert McClanahan, M.D.

Howard K. Weisberg, M.D.

### Associate Attending Ophthalmologists

John Eden, M.D.

John E. Lally, M.D.

### Assistant Attending Ophthalmologists

William Cooper, M.D.

John W. Espy, M.D.

Dennis B. Freilich, M.D.

Richard S. Kochman, M.D.

James C. Newton, M.D.

Lydia Perez-Guardiola, M.D.

Wilson C. Starr, M.D.

### Chief of Ophthalmology Clinics

Harry Eggers, M.D.

## Orthopedic Surgery

### Director of Orthopedic Surgery and Attending Orthopedic Surgeon

Frederick R. Thompson, M.D.

### Consulting Orthopedic Surgeons

David M. Bosworth, M.D.

Mather Cleveland, M.D.

### Attending Orthopedic Surgeons

J. William Fielding, M.D.

Hudson J. Wilson, M.D.

Edward M. Winant, M.D.

### Associate Attending Orthopedic Surgeons

Benjamin O. Brane, M.D.

Lawrence M. Demarest, M.D.

Norman A. Hill, M.D.

William A. Liebler, M.D.

Henry J. Magliato, M.D.

Robert E. Zickel, M.D.

### Chief of Orthopedic Surgery Clinic

Hudson J. Wilson, M.D.

### Assistant

Jerome J. Moga, M.D.



## Otolaryngology

### **Director of Otolaryngology and Attending Otolaryngologist**

Stanley Whitfield, M.D.

### **Consulting Otolaryngologist**

Daniel C. Baker, M.D.

Paul H. Breuning, M.D.

Ashby G. Martin, M.D.

Victor C. McCuaig, M.D.

John Ross, M.D.

Hilton H. Stothers, M.D.

### **Attending Otolaryngologists**

Orrin E. Anderson, M.D.

Richard J. Bellucci, M.D.

A. Reginald Everett, M.D.

James C. Kirkbright, M.D.

Thomas J. Mackie, M.D.

Duncan McCuaig, M.D.

Norman N. Ostrov, M.D.

### **Associate Attending Otolaryngologists**

Samuel V. Boor, M.D.

Charles C. Harrold, M.D.

(Tumor Surgery)

### **Assistant Attending Otolaryngologists**

Arthur S. Brenner, M.D.

Lachlan Mackenzie, M.D.

Harmon T. Rhoads, Jr., M.D.

(Plastic Surgery)

Ira D. Rothfeld, M.D.

Raymond B. Strauss, M.D.

### **Chief of Otolaryngology Clinic**

Ira D. Rothfeld

### **Assistant**

Mavrikij P. Chester, M.D.

## Pathology

### **Director of Pathology and Attending Pathologist**

Charles F. Begg, M.D.

### **Consulting Pathologists**

\*Virginia K. Frantz, M.D.

Leila C. Knox, M.D.

Rafael Lattes, M.D.

Donald McKay, M.D.

Leon Motylloff, M.D.

Arthur P. Stout, M.D.

### **Associate Attending Pathologists**

Harold P. Gaetz, M.D.

Artemis D. Nash, M.D.

### **Assistant Attending Pathologists**

George W. Munsick, M.D.

Stephen F. Ryan, M.D.

## Physical Medicine

### **Director of Physical Medicine and Attending Physiatrist**

Shyh-Jong Yue, M.D.

### **Assistant Attending Physiatrist**

Milovan T. Rakic, M.D.

\*Deceased

## Psychiatry

### Director of Psychiatry and Attending Psychiatrist

John M. Cotton, M.D.

### Consulting Psychiatrists

E. Livingston Hunt, M.D.

Henrietta R. Klein, M.D.

John McDowell McKinney, M.D.

### Attending Psychiatrists

Benjamin H. Balser, M.D.

Alexander Caemmerer, M.D.

Frank J. Curran, M.D.

Earl A. Loomis, M.D.

David M. MacDonald, M.D.

Bernard L. Pacella, M.D.

Luis Perelman, M.D.

Harry Reiss, M.D.

Charles P. Wilson, M.D.

### Associate Attending Psychiatrists

John A. Atchley, M.D.

Alan M. Elkins, M.D.

John A. Milici, M.D.

Jean T. Munzer, M.D.

Herbert Spiegel, M.D.

Samuel F. Thomas, M.D.

Jerry M. Wiener, M.D.

Adolfo Zier, M.D.

### Assistant Attending Psychiatrists

Abraham A. Chaplan, M.D.

Ralph Colp, Jr., M.D.

Thomas J. Craig, M.D.

Victor D'Arc, M.D.

Sam Ehre, M.D.

Richard J. Glavin, M.D.

Jerome Haber, M.D.

Willard S. Kahn, M.D.

James G. Katis, M.D.

Edwin Kaufman, M.D.

Clarice J. Kestenbaum, M.D.

E. Arthur Livingston, M.D.

Robert Michels, M.D.

Robert S. Mumford, M.D.

George A. Papanek, M.D.

Dallas Pratt, M.D.

David T. Read, M.D.

Charles H. Richards, M.D.

John W. Schermer, Jr., M.D.

Charles Siegel, M.D.

Melvin Udel, M.D.

Thornton A. Vandersall, M.D.

Ernest A. Wacker, M.D.

### Research Associates

Myra Hatterer, M.D.

Herbert Hendin, M.D.

Robert Shaw, M.D.

### Adult Clinic

David M. MacDonald, M.D. (Chief)

### Child Psychiatry

Jerry M. Wiener, M.D. (Chief)

### Community Psychiatry

Alan M. Elkins, M.D. (Director)

### Assistants

Frederick A. Alling, M.D.

Martin Asnis, M.D.

Philip A. Ernst, M.D.

Naomi Leiter, M.D.

James Randall, M.D.

Heinz Wennert, M.D.

## **Radiology**

### **Director of Radiology and Attending Radiologist**

Nathaniel Finby, M.D.

### **Consulting Radiologists**

Herbert F. Hempel, M.D.

Harriet McIntosh, M.D.

Rieva Rosh, M.D. (Radiation Therapy)

William B. Seaman, M.D.

### **Attending Radiologists**

Samuel D. Hemley, M.D.

Virginia Kanick, M.D.

Richard D. Kittredge, M.D.

Leonard M. Liegner, M.D.

(Radiation Therapy)

### **Associate Attending Radiologists**

Dorothy Ekstrom, M.D.

Theresa L. Siebert, M.D.

### **Assistant Attending Radiologists**

Milton Bienstock, M.D.

Kuo-York Chynn, M.D.

Nancy S. Hoge, M.D.

## **Urology**

### **Director of Urology and Attending Urologist**

John W. Draper, M.D.

### **Consulting Urologist**

John A. Taylor, M.D.

### **Attending Urologists**

Eugene L. Hoch, M.D.

Russell W. Lavengood, Jr., M.D.

Constantine Photos, M.D.

### **Associate Attending Urologists**

Waleed J. Maloof, M.D.

Joseph N. Ward, M.D.

### **Assistant Attending Urologists**

Manuel Fernandes, M.D.

Alfred F. Fretz, M.D.

Pellegrino Tozzo, M.D.

### **Research Associate**

Michael Sierp, M.D.

### **Chief of Urology Clinic**

Alfred F. Fretz, M.D.

## Clinical Departments — 1967

### Hearing and Speech

*Director of Otolaryngology:*

Stanley Whitfield, M.D.

*Director of Hearing and Speech:*

James C. Kirkbright, M.D.

*Audiologist:*

Shelia Belkin

*Consultants in Speech:*

Jane Dorsey Zimmerman, Ph.D.

William H. Canfield, Ed. D.

*Speech Therapist:*

Paul D. Burgess, Jr. M.A.

### Laboratories

*Director:*

Charles F. Begg, M.D.

*Associate Directors:*

Harold Gaetz, M.D.

Artemis D. Nash, M.D.

*Assistant Directors:*

George W. Munsick, M.D.

Stephen F. Ryan, M.D.

*Assistant Director — Bacteriology  
and Microbiology:*

Victor Bokenheuser, M.D.

*Assistant Director (Biochemistry):*

Louis B. Dotti, Ph.D.

*Cytologist:*

Joseph P. Schwartz, D.D.S.

## Medical Departments

*Director:*

Theodore B. Van Itallie, M.D.

### Blood Bank

*Director:*

Myron Wright, M.D.

*Consultant:*

Louis A. Amill, M.D.

*Administrative Director:*

Albert DeNatale, Ph. G., Ph. C.

*Assistant Director:*

John F. Bertles, M.D.

Fred J. Schilling, M.D.

**Cardio-Pulmonary Laboratory***Director:*

A. L. Loomis Bell, Jr., M.D.

*Assistant Director:*

C. Redington Barrett, Jr., M.D.

Seiichi Shimomura, M.D.

*Consultant:*

Oswald R. Jones, M.D.

*Pediatric Cardiologist:*

Lucy H. Swift, M.D.

*Research Associate:*

Veljko J. Krstulovic, M.D.

*Associates:*

Airlie Cameron, M.D.

Michael Dubin, M.D.

Stephen F. Ryan, M.D. (Pathologist)

**Electrocardiography***Director:*

E. P. Childs, M.D.

**Electroencephalography***Director:*

Charles H. Richards, M.D.

**Radio-Isotope Laboratory***Director:*

Richard N. Pierson, Jr., M.D.

*Consultant:*

Richard P. Keating, M.D.

*Consultant in Radiotherapy:*

Leonard M. Liegner, M.D.

**Physical Medicine***Director:*

Shyh-Jong Yue, M.D.

**Radiology***Director:*

Nathaniel Finby, M.D.

*Associate Directors:*

Virginia Kanick, M.D.

Richard Kittredge, M.D.

**Chief, Radiation Therapy Section**

Leonard M. Liegner, M.D.

**Scientific Advisory Staff***Consultant in Virology:*

Baker, James A., Ph.D.

*Associate Consultant in**Physiology:*

Bennett, Susanne, Ph.D.

*Associate Consultant in**Speech Therapy:*

Canfield, William H., Ed.D.

*Associate Consultant in**Biochemistry:*

Derrick, John B., Ph.D.

*Consulting Veterinarian:*

Grey, Ross M., D.V.M.

*Associate Consultant in**Biochemistry (Endocrinology):*

Kelly, William G., Ph.D.

*Associate Consultant in**Bio-Engineering:*

Leonard, Edward, Ph.D.

*Associate Consultant in**Sociology:*

Mumford, Emily, Ph.D.

*Associate Consultant in**Radiation Physics:*

Rossi, Harold, Ph.D.

*Consulting Surgeon:*

Spaet, Theodore H., M.D.

*Consultant in Genetics:*

Warburton, Dorothy P., Ph.D.

*Consultant in Speech Therapy:*

Zimmerman, Jane D., Ph.D.

# House Staff

## Medicine

### Chief Resident

David S. David, M.D.

### Fellows

Bertrand Bordier, M.D.  
Norma Braun, M.D.  
Saroj Devi, M.D.  
Evelyn P. Dooley, M.D.  
Michael Gang, M.D.  
Janet I. Lipski, M.D.  
Ralph G. Oriscello, M.D.

### Second Year Residents

Carl Braten, M.D.  
George Conrad, M.D.  
Thomas J. Ekkers, M.D.  
Susan Harris, M.D.  
Linda Lewis, M.D.  
John Morse, M.D.  
David Reifsnnyder, M.D.

### First Year Residents

Robert O. Baratta, M.D.  
James L. Barzun, M.D.  
John J. Darrah, M.D.  
Joseph A. Donadio, M.D.  
Marlene E. Haffner, M.D.  
Richard H. Landesman, M.D.  
Alfred Muller, M.D.

### Interns

Kathleen B. Agayoff, M.D.  
Kenneth M. Berc, M.D.  
Dulaney Glen, M.D.  
Bruce C. Johnson, M.D.  
Janis O. Lusins, M.D.  
Alan N. Miller, M.D.  
John P. Nelson, M.D.  
David O. Olds, M.D.  
Billie F. Polk, M.D.  
Robert A. Rosenblum, M.D.  
Vincent R. Sites, M.D.

## Surgery

### Resident in Plastic Surgery

Stanley P. Frileck, M.D.

### Third Year Residents

Peter B. Cinelli, M.D.  
Merritt R. Hait, M.D.  
Joshua M. Kaplan, M.D.  
Donald Minervini, M.D.

### Second Year Residents

Leif O. Holgersen, M.D.  
Charles R. Kuehner, M.D.  
Lawrence F. Simon, M.D.

### First Year Residents

Louis P. Carter, M.D.  
Robert McRoberts, M.D.  
Leonard J. Rubin, M.D.  
David K. Saland, M.D.  
Nicholas A. Szabo, M.D.  
Russell F. Warren, M.D.

### Interns

Philip S. Affuso, M.D.  
Bruce M. Bilder, M.D.  
William G. Clancy, Jr., M.D.  
Roger T. DeAngelis, M.D.  
Peter H. Dragonas, M.D.  
Saul Katz, M.D.  
Daniel C. McCabe, M.D.  
Douglas D. McKane, M.D.  
Samuel D. Winner, M.D.

## **Obstetrics and Gynecology**

### **Fourth Year Residents**

Adamadia Panajotopoulos, M.D.  
Bernard M. Leduc, M.D.  
Miguel A. Pulido, M.D.

### **Third Year Residents**

Raymond H. Basora, M.D.  
Romeo M. DeGracia, M.D.  
Mona Devanesan, M.D.  
Daryl E. Murdoch, M.D.  
Theodore K. Tobias, M.D.

### **Second Year Residents**

Charles P. Foote, M.D.  
Arnold Roufa, M.D.  
Gordon R. Smith, M.D.  
William Wong, M.D.

### **First Year Residents**

Hasi Das, M.D.  
John M. Mackenzie, M.D.  
Stanley D. Wolanske, M.D.

## **Pediatrics**

### **Chief Resident**

Robert J. Hobbie, M.D.

### **Second Year Residents**

David E. Osgood, M.D.  
Jean J. Saranga, M.D.

### **First Year Residents**

Joseph C. Asta, M.D.  
Martha Collins, M.D.  
Hangh Lee, M.D.  
Eugenia P. Marcus, M.D.  
Ilana W. Zarafu, M.D.

### **Interns**

Prabhatsalil Das, M.D.  
John M. Oldham, M.D.

## **Anesthesiology**

### **Third Year Residents**

Marieta Agawin-Bajit, M.D.  
Delia Alonsabe, M.D.  
Felicitas de Guzman, M.D.  
Iqbal L. Lalani, M.D.  
Elisa N. Tan, M.D.

### **Second Year Resident**

Pushpa S. Kale, M.D.

### **First Year Residents**

Nena Bigornia, M.D.  
Joanne Bufalo, M.D.  
Carolina Centeno, M.D.

## **Dermatology**

### **Third Year Resident**

Leon Miller, M.D.

### **Second Year Resident**

William R. Barbee, M.D.

## **Ophthalmology**

### **Third Year Residents**

Ulises Aranga, M.D.  
Alfred R. Bonsignore, M.D.

### **Second Year Resident**

Eusebio G. Salud, M.D.

### **First Year Resident**

Nibondh Vacharat, M.D.

## **Oral Surgery**

### **Residents**

Richard W. Lewis, D.D.S.  
Chester B. Triplett, D.D.S.

### **Intern**

James C. Booth, D.D.S.



## Orthopedic Surgery

### Third Year Residents

Anthony V. Carella, M.D.

John P. Milbauer, M.D.

### Second Year Residents

Clarence A. Dunn, M.D.

Peter F. Germond, M.D.

Peter F. B. Von Bormann, M.D.

### First Year Residents

Stuart J. Hershon, M.D.

George Unis, M.D.

## Otolaryngology

### Third Year Resident

Agadurappa Mahadevaiah, M.D.

### Second Year Resident

George W. Jackson, M.D.

### First Year Resident

Maurici Rodescu, M.D.

## Pathology

### Resident

Thomas S. N. Chen, M.D. to 10/31/67

### Third Year Residents

Judith A. Boone, M.D.

Sergio G. Ibarguen, M.D.

### Second Year Residents

Anna E. Buskop, M.D.

Peter F. Salomon, M.D.

### First Year Resident

Wolf D. Schneeweiss, M.D.

## Psychiatry

### Adult Service

#### Fellows

Richard C. Conroy, M.D.

David A. Etes, M.D.

William G. Sommer, M.D.

starting 10/1/67

### Third Year Residents

Marcia Alexander, M.D.

Theodore B. Robbins, M.D.

Carlotta L. Schuster, M.D.

### Second Year Resident

Barry E. White, M.D.

### First Year Residents

Stephen C. Ettenson, M.D.

Robert A. Greenstein, M.D.

Carl S. Jackson, M.D.

Bruce A. Lief, M.D.

### Child Service

#### Fellow

Nathaniel Donson, M.D.

### Resident

Edward E. Gilmour, M.D.

## **Radiology**

### **Fellow**

Donald W. Ermini, M.D.

### **Third Year Residents**

William C. Colaice, M.D.

Arthur S. Geller, M.D.

### **Second Year Residents**

Michael H. Geller, M.D.

Vera A. Voges, M.D.

### **First Year Residents**

Jeanne W. Baer, M.D.

Amado V. Dolorico, M.D.

Vicente Garciano, M.D.

## **Urology**

### **Fellow**

Pinaki Ray, M.D.

### **Chief Resident**

Rudolph Talarico, M.D.

### **Third Year Resident**

Albert V. Assali, M.D.

### **Second Year Resident**

John J. Parillo, M.D.

### **First Year Resident**

Joseph D. Putignano, M.D.

# Publications by Members of St. Luke's Hospital Medical and Scientific Staffs 1966

- ALEXANDER, B. H., joint author. See: CUSHMAN, PAUL
- ALTER, S., joint author. See: CUSHMAN, PAUL
- ARTHUR, T. E., joint author. See: JOHNSTON, BARBARA
- ATLAS, SUSAN J., PINTER, KAROLY G  
Glass-fiber paper chromatography of Vitamin E.  
Analytical Biochemistry 17:258-262
- BALSER, BENJAMIN H.; MUMFORD, EMILY; CHAPLAN, ABRAHAM A.; GRATWICK,  
MITCHELL; MUMFORD, ROBERT; CLINTON, WILLIAM  
A Mental Health Study in College Preparatory Schools, Proposed Plan.  
Psychol. in the schools. 3:6
- BARRETT, C. REDDINGTON, JR.; HOLT, PETER R.  
Postgastrectomy blind loop syndrome. American Journal Medicine 41:629-637
- BEGG, CHARLES F., joint author. See: FINBY, NATHANIEL
- BELL, A. L. DOOMIS, JR., joint author. See: HAYNES, WILLIAM F.
- BENNETT, STEPHEN, joint author. See: KLEIN, HENRIETTE R.
- BERGEN, STANLEY S., JR.; HASHIM, SAMI A.; VAN ITALLIE, THEODORE B.  
Hyperketonemia induced in man by medium-chain triglyceride. Diabetes 15:723-  
725
- BERGEN, STANLEY S., JR.; HILTON, JAMES G.; VAN ITALLIE, THEODORE B.  
Glycogenolytic effect of adenosine 3'5' monophosphate in the canine liver.  
Endocrinology 79:1065-1068
- BIENSTOCK, N., joint author. See: KITTREDGE, RICHARD D.
- BLAIR, CHARLES R., joint author. See: KNOX, W. GRAHAM
- BLUMENTHAL, JESSE A., joint author. See: KNOX, W. GRAHAM
- BRADY, E., joint author. See: JOHNSTON, BARBARA
- BUCOVE, ARNOLD; LEVITT, LAWRENCE I.  
A Seven-Year Follow-up Study of Patients in a General Hospital  
Psychiatric Service. Am. J. Psychiatry 122-1088

- CAMPBELL, ROBERT G.; HASHIM, SAMI A.; VAN ITALLIE, THEODORE B.  
Effect of glucagon on hypoglycemia induced by octanoate infusion. *Clinical Research* 14:476 (abstract)
- CAMPBELL, ROBERT G.; PI-SUNYER, X.; HASHIM, SAMI A.; VAN ITALLIE, THEODORE B.  
Insulin secretion during octanoate-induced hypoglycemia in the dog. *Clinical Research* 14:476 (abstract)
- CAMPBELL, ROBERT G., joint author. See: ZURIER, ROBERT B.
- CASE, ROBERT B.; ROSELLE, HARRY; NASSAR, MUNIR E.  
Simplified method of calibration of electromagnetic flowmeters. *Medical Research Engineering* 5:38-40
- CASE, ROBERT B.; ROSELLE, HARRY A.; CRAMPTON, RICHARD S.  
Relations of S-T depression to metabolic and hemodynamic events. *Cardiologia* 48:32-41
- CASE, ROBERT B.  
Effect of low PO<sub>2</sub> on left ventricular function. *Proceedings of international Symposium on the cardiovascular and Respiratory Effects on Hypoxia*, Kingston, Ontario, Canada. (June 1965) S. Karger Base /New York, pp 192-207
- CASE, ROBERT B., joint author. See: ROSELLE, HARRY A.
- CHALFIN, DAVID; HOLT, PETER R.  
Medium-chain fatty acids and the intestinal mucosa. *Amer. J. of Digestive Diseases*. 2:903-904
- CHALFIN, DAVID; HOLT, PETER R.  
Metabolism of octanoic acid (OA) by rat intestinal slices and homogenates. *Federation Proceedings*.
- CHAPLAN, ABRAHAM A., joint author. See: BALSER, BENJAMIN H.
- CHERRICK, GILBERT, joint author. See: MEZEY, ESTEBAN
- CLINTON, WILLIAM, joint author. See: BALSER, BENJAMIN H.
- COCCHIARELLO, ANTONIO, joint author. See: YUE, SHYH-JONG
- CRAMPTON, RICHARD S., joint author. See: ROSELLE, HARRY A.
- CRAMPTON, RICHARD S., joint author. See: CASE, ROBERT B.
- CUSHMAN, PAUL; ALTER, S.; HILTON, JAMES G.  
Effects of various growth hormone preparations on dog adrenal cortical secretions. *Endocrinology*. 78:971-975
- CUSHMAN, PAUL; ALTER, S.; HILTON, JAMES G.  
Effects of dilantin and digitalis on potassium uptake and egress in the dog myocardium. *Bulletin of New York Academy of Medicine* 42:1048 (abstract)

CUSHMAN, PAUL; ALEXANDER, B. H.

Renal phosphate and calcium excretory defects in a case of acute phosphorus poisoning. *Nephron* 3:123-138

CUSMANO, J., joint author. See: HENLEY, S. D.

DARGEON, HAROLD W. K.

Reticuloendothelioses in childhood. Charles C. Thomas, Springfield, Ill. 1966

DARGEON, HAROLD W. K., joint author. See: STANLEY-BROWN, EDWARD G.

DEHAAN, CLAYTON R., joint author. See: WEATHERLY-WHITE, ROY C.A.

deNAPOLI, ROBERT A.; LOVELACE, ROBERT E.; SCHOTLAND, DONALD L.

The Kugelberg Welander Syndrome. Transactions of American Neurological Association 1966

DRAPER, JOHN W., joint author. See: ISWARIAH, JOHN D.

DRAPER, JOHN W., joint author. See: TOVELL, HAROLD M. M.

DUBIN, MICHAEL, joint author. See: PIERSON, RICHARD N.

DWYER, EDWARD M., joint author. See: KNOX, W. GRAHAM

EDMUNDS, ROBERT E.; HUGHES, JOHN J.

Current Concepts of Biliary Surgery. *Med. Digest*. 12:55-61

EDMUNDS, ROBERT E., joint author. See: HUGHES, JOHN J.

EDMUNDS, ROBERT E., joint author. See: LO CURCIO, STEPHEN B.

ELKINS, ALAN M.; PAPANEK, GEORGE O.

*Consultations with Police:*

An Example of Community Psychiatry Practice. *Am. J. Psychiatry*. 123-531

FINBY, NATHANIEL, joint author. See: KITTREDGE, RICHARD D.

FINBY, NATHANIEL, joint author. See: NAY, HOWARD R.

FINBY, NATHANIEL, joint author. See: HUGHES, JOHN J.

FINBY, NATHANIEL, joint author. See: LO CURCIO, STEPHEN B.

FINBY, NATHANIEL; BEGG, CHARLES F.

Correlation Conferences in Radiology and Pathology. Localized Ulcerative Colitis with Pseudopolyp Formation. *New York State Journal of Medicine* Vol. 66, No. 6. 739-741, March 1966

FINBY, NATHANIEL; BEGG, CHARLES F.

Correlation Conferences in Radiology and Pathology. Posterior Mediastinal Cyst. *New York State Journal of Medicine*. Vol. 66, No. 10. 1230-1232, May 15, 1966

FINBY, NATHANIEL; BEGG, CHARLES F.

Correlation Conferences in Radiology and Pathology. Stein-Leventhal Syndrome, *New York State Journal of Medicine*, Vol. 66, No. 14, 1901-1904, July 15, 1966

FINBY, NATHANIEL; BEGG, CHARLES F.

Correlation Conferences in Radiology and Pathology. Menetriere's Disease, New York State Journal of Medicine. Vol. 66, No. 18, 2447-2450, 1966

FINBY, NATHANIEL; BEGG, CHARLES F.

Correlation Conferences in Radiology and Pathology. Presacral Tumor in Child. Vol. 66, No. 22, November, 1966

FITZPATRICK, HUGH R., joint author. See: NAY HOWARD R.

GALLAGHER, J., joint author. See: HENLEY, S. D.

GOLDSMITH, GRACE A., joint author. See: PINTER, KAROLY G.

GRATWICK, Mitchell, joint author. See: BALSER, BENJAMIN H.

GRIECO, MICHAEL, joint author. See: PIERSON, RICHARD N.

GUTHRIE, RANDOLPH H.; RIZZI, GABRIEL T. A.; MCCABE, ROBERT E., JR.

Experimental Stunt of a Proteinase Inhibitor (Trasylol) in Organ Preservation. Amer. J. Surgery. 112-035

GUTHRIE, RANDOLPH H., joint author. See: KNOX, W. GRAHAM

HASHIM, SAMI A., joint author. See: BERGEN, STANLEY S., Jr.

HASHIM, SAMI A., joint author. See: CAMPBELL, ROBERT G.

HASHIM, SAMI A., joint author. See: HASSAN, HABIBA

HASHIM, SAMI A., joint author. See: LEE, DAISY

HASHIM, SAMI A., joint author. See: ZURIER, ROBERT B.

HASHIM, SAMI A.; SCHUTTRINGER, GEORGE R.

Rapid determination of Tocopherol in Macro and Micro-quantities of Plasma Results obtained in various Nutrition and Metabolic Studies. Am. J. of Clinical Nutrition. 19:137-145

HASSAN, HABIBA; HASHIM, SAMI A.; VAN ITALLIE, THEODORE B.; SEBRELL, WILLIAM H., JR.

Syndrome in premature infant associated with low plasma Vitamin E levels and high Polyunsaturated fatty acid diet. Am. J. of Clinical Nutrition. 19:145-157

HASSAN, HABIBA; HASHIM, SAMI A.; VAN ITALLIE, THEODORE B.; SEBRELL, WILLIAM H., JR.

Syndrome in premature infants associated with low plasma Vitamin E level Am. J. Clinical Nutrition (ASCN News) 18:306 (abstract)

HAYNES, WILLIAM F.; KRSTULOVIC, VELJKO; BELL, A. L. LOOMIS, JR.

Smoking habit and incidence of respiratory tract infections in a group of adolescent males. Am. Review of Respiratory Diseases. 93:730-735

HENLEY, S. D.; GALLAGHER, J.; CUSMANO, J.

Large Bolus Injection with Compression in Routine Excretory Urography. The Journal of Urology. Vol. 96:390-393, 1966

HILTON, JAMES G., joint author. See: CUSHMAN, PAUL

HILTON, JAMES G., joint author. See: BERGEN, STANLEY S., JR.

HOLT, PETER R.

Competitive inhibition of intestinal bile salt absorption in the rat. *Am. J. of Physiology* 210:635-639

HOLT, PETER R., joint author. See: BARRETT, C. REDDINGTON

HOLT, PETER R., joint author. See: CHALFIN, DAVID

HOLT, PETER R., joint author. See: MCDONALD, CARLTON A.

HOLT, PETER R., joint author. See: MEZEY, ESTEBAN

HUGHES, JOHN J.; LO CURCIO, STEPHEN B.; EDMUNDS, ROBERT E.; FINBY, NATHANIEL

The Common Duct after Cholecystectomy: Initial report of a ten year study. *JAMA* 197-274-249

HUGHES, JOHN J.; LO CURCIO, STEPHEN B.; EDMUNDS, ROBERT E.; FINBY, NATHANIEL

The Common Duct after Cholecystectomy. *The Journal of the American Medical Association*. Vol. 197: 247-249, 1966

HUGHES, JOHN J., joint author. See: EDMUNDS, ROBERT E.

ISWARIAH, JOHN D.; KITTREDGE, RICHARD D.; DRAPER, JOHN W.

*Aortography as an Adjunct in Diagnosis and Treatment of Renal Trauma: Experimental Observations.* *J. Urol.* 95:146-153, Feb., 1966

JAVERT, CARL T.

Divorce and Alimony, *Medical Opinion and Review*. Vol. 1:12, 1966

JAVERT, CARL T., joint author. See: OSTER, STUART

JOHNSTON, BARBARA; MAHOOD, M. E.

The Effects of Various Agents in Sarcoma 37 Ascited Tumor Cells *Acta Cytologica*. In Press

JOHNSTON, BARBARA; MAHOOD, M. E.; ARTHUR, T. E.; BRADY, E.

Malignancy Associated Changes in Peripheral Cells, *Acta Cytologica*. In Press

KITTREDGE, RICHARD D., joint author. See: ISWARIAH, JOHN D.

KITTREDGE, RICHARD D.

Metastatic Disease to Brain with Extensive Cavitation. *New York State J. of Medicine* Vol. 66, No. 3, 404-406

KITTREDGE, RICHARD D.; BIENSTOCK, MILTON; FINBY, NATHANIEL

Urethral Diverticula in Woman. *Am. J. of Roentgenology Radium Therapy and Nuclear Medicine*. Vol. XCVIII, No. 1, 1966

KITTREDGE, RICHARD D.; FINBY, NATHANIEL

Angiographic Evaluation of Mediastinal Tumor in the Older Patient. *J. of the American Geriatrics Society*. Vol. 14, No. 9, 914-924

KITTREDGE, RICHARD D.; FINBY, NATHANIEL

Bilateral Tuberculous Mediastinal Lymphadenopathy in the Adult. *The Am. J. of Roentgenology, Radium Therapy and Nuclear Medicine*. Vol. XCVI No. 4. 1966



- KLEIN, HENRIETTE E.; BENNETT, STEPHEN  
Childhood Schizophrenia. 30 Years Later. *Am. J. Psychiat.* 122:1221
- KNOX, W. GRAHAM, joint author. See: MILLER, ROBERT E.
- KNOX, W. GRAHAM; MILLER, ROBERT E.; GUTHRIE, RANDOLPH H.; DWYER, EDWARD M.  
Abdominal Aortic Aneurysm-Vena Caval Fistula — Report of Cardiac Function and Blood Volume Following Successful Surgical Correction. *Ann. Surg.* 164#6:947-950
- KNOX, W. GRAHAM; NAY, HOWARD R.; BLUMENTHAL, JESSE A.  
Arm Ischemia Due to Isolated Stenosis of Occlusion of the Distal Subclavian and Axillary Artery. *Am. J. Surg.* 111:752-758
- KNOX, W. GRAHAM; BLAIR, CHARLES R.; WEST, JOHN P.; SCHUH, FREDERIC D.  
Thrombectomy for Acute Ileo-femoral Venous Thrombosis. *Am. J. Surg.* 111:251-256
- KRAFT, E.; FINBY, NATHANIEL; EGIDIO, P. T.; GLEN, J. S.  
The Megastigmoid Syndrome in Psychotic Patients. *The Journal of the American Medical Association.* Vol. 195, 1099-1101. 1966
- KRSTULOVIC, VELJKO J., joint author. See: HAYNES, WILLIAM E.
- LEE, DAISY; HASHIM SAMI A.; VAN ITALLIE, THEODORE B.  
Effect of Long-chain Triglycerides on Transport of medium chain fatty acids. *Federation Proceedings.* 25:563 (abstract)
- LEE, DAISY; HASHIM SAMI A.  
A new catheter system for cannulation of thoracic duct of the rat. *J. of Applied Physiology* 21:1887-1888
- LEVITT, LAWRENCE I., joint author. See: BUCOVE, ARNOLD
- LIN, R. C.; PENG, T. C.  
Pediatric Reference Card
- LO CURCIO, STEPHEN B., joint author. See: HUGHES, JOHN J.
- LO CURCIO, STEPHEN B.; HUGHES, JOHN J.; EDMUNDS, ROBERT E.; FINBY, NATHANIEL  
Cholecystectomy after Rectal Administration of Ipodate Salts. A Preliminary Report. *Radiology.* 86:739-741
- LOVELACE, ROBERT E.; joint author. See: deNAPOLI, ROBERT A.
- MACDONALD, CARLTON A.; HOLT, PETER R.  
Celiac Artery Thrombosis Resulting in Infarction of the Liver and the Small Intestine, *Annals of Internal Medicine* 64:1057-1062
- MAHOOD, M. E., joint author. See: JOHNSTON, BARBARA
- MARR, JAMES P.  
James Marion Sims, A.B., M.D., L.I.D., 1813-1833 *Journ. of Med. Assoc. of the State of Alabama.* Vol. 35:1-21. 1966

- MCCABE, ROBERT E., JR., joint author. See: GUTHRIE, RANDOLPH H.
- MCCABE, ROBERT E., JR., joint author. See: SCHWARTZ, DAVID T.
- MEZEY, ESTEBAN; CHERRICK, GILBERT R.; HOLT, PETER R.  
Serum alcohol dehydrogenase in the differential diagnosis of liver disease. *Gastroenterology*. 50:858
- MILLER, ROBERT E., joint author. See: KNOX, W. GRAHAM
- MILLER, ROBERT E.; KNOX, W. GRAHAM  
Colon Ischemia Following Infrarenal Aortic Surgery. *Ann. of Surg.* 163:639-642
- MUMFORD, EMILY, joint author. See: BALSER, BENJAMIN A.
- MUMFORD, ROBERT S., joint author. See: BALSER, BENJAMIN A.
- MURDOCH, DARYLE  
Umbilical cord doubling — Report of a Case. *Obst. and Gynec.* Vol. 27:555. 1966
- NASSAR, MUNIR E., joint author. See: CASE, ROBERT B.
- NAY, HOWARD R., joint author. See: KNOX W. GRAHAM
- NAY, HOWARD R.; FITZPATRICK, HUGH R.  
The use of Fibrinolysin after Surgical Procedures. *Bulletin of the New York Acad. of Med.* 42:328
- NAY, HOWARD R.; FITZPATRICK, HUGH F.  
A Study of Various Types of Superior Mesenteric Vein to Inferior Vena Cava Shunts. Using Laposite Grafts. *Surgery* 59:540
- OSTER, STUART; JAVERT, CARL T.  
Treatment of the incompetent Cervix with the Hodge Pessary. *Obstet. and Gynec.* Vol. 28:206. 1966
- PAPANEK, GEORGE O., joint author. See: ELKINS, ALAN M.
- PAPANEK, GEORGE O.  
An Exploratory Model of Community Psychiatry. *Hospital & Community Psychiatry* 17:21
- PEARSON, R. E., joint author. See: SPIEGEL, HERBERT
- PENG, T. C., joint author. See: LIN, R. C.
- PIERSON, ANNE B.  
A Woman Answers Your Intimate Questions. *Bride's Magazine*. April, 1966
- PIERSON, RICHARD N., JR.; GRIECO, MICHAEL; SWINTON, NEIL; DUBIN, MICHAEL  
*Circulation time end points: a quantitative comparison of saccharin and radioiodinated albumin as indicators.* *Circulation* 34:997-1004
- PINTER, KAROLY G., joint author. See: ATLAS, SUSAN
- PINTER, KAROLY G.; VAN ITALLIE, THEODORE B.  
Drugs and Atherosclerosis. *Annual Review of Pharmacology* 6:251-260

- PINTER, KARLOY G.; SHIN, MYUNG SOOK  
Cholesterol esters in diabetic and Cholesterol ester in diabetics and non-diabetic subjects. *Federation Proceedings*. 25:607. (abstract)
- PINTER, KAROLY G.; GOLDSMITH, GRACE; VAN ITALLIE, THEODORE B.  
Effect of various fats on cholesterol ester metabolism in man. *Am. J. of Clinical Nutrition (ASCN News)* 18:305. (abstract)
- PI-SUNYER, F. X., joint author. See: CAMPBELL, ROBERT G.
- POVEY, W. G., joint author. See: VAN PRAAGH, IAN G.
- REISNER, EDWARD H., JR.  
Tissue culture of bone marrow. 11. effect of steroid hormones on hematopoiesis in vitro. *Blood*. 27:460
- RIZZI, GABRIEL T. A., joint author, See: GUTHRIE, RANDOLPH H.
- ROSELLE, HARRY A., joint author. See: CASE, ROBERT B.
- ROSELLE, HARRY A.; CRAMPTON, RICHARD S.; CASE, ROBERT B.  
Alternans of the depressed S-T segment during coronary insufficiency. *Am. J. of Cardiology* 18:200-207
- ROSELLE, HARRY A.; CRAMPTON, RICHARD S.; CASE, ROBERT B.  
*Experimental production of S.T. segment alternans: its relation to Mechanical events*, *Bulletin of New York Acad. of Med.* 42:329. (abstract)
- SCOTLAND, DONALD L., joint author. See: deNAPOLI, ROBERT A.
- SCHUH, FREDERICK, joint author. See: KNOX, W. GRAHAM
- SCHUTTRINGER, GEORGE, joint author. See: HASHIM, SAMI A.
- SCHWARTZ, DAVID T.; MCCABE, ROBERT E.; ZINTEL, HARRY A.  
The Effect of Portacaval Transposition on Renovascular Hypertension in Dogs. *SG&O*. 122:317-325
- SCHWARTZ, DAVID T.; ZINTEL, HAROLD A.  
The Production of Sustained Hypertension in Dogs, by Unilateral Renal Arterial Injection of Iron Carbonyl Particles. *J. of Urology*. 95:456-468
- SEBRELL, WILLIAM H., joint author. See: HASSAN, HABIBA
- SHAPIRO, JOAN H. MSSW  
Single-room Occupancy. *Community of the Alone Social Work* 11:24
- SHIN, MYUNG SOOK, joint author. See: PINTER, KAROLY G.
- SPIEGEL, HERBERT; PEARSON, ROBERT E.  
Communication and Motivation. Part III. *Am. J. Hypnosis Clin., Exp. Theoret.* 9:18
- STANLEY-BROWN, EDWARD H.; DARGEON, HAROLD W.  
Presenting symptoms of Wilms' Tumor and Neuroblastoma. *Clinic Pediatrics* 5:681-682
- STARK, RICHARD B., joint author. See: WEATHERLY-WHITE, ROY C. A.

STARK, RICHARD B.

Medicine as a Force of Peace. JAMA. 195:18-20

STEVENSON, STUART S.

Moderator, Recent Advances in the Management of Rh-Incompatible Pregnancy. A Symposium. Bulletin of the New York Acad. of Medicine, June, 1966

SWINTON, NEIL, joint author. See: PIERSON, RICHARD N., JR.

THOMPSON, FREDERICK R.

An Essay on the Development of Arthroplasty of the Hip. Clinical Orthopedic and Related Research

TOVELL, HAROLD M. M.; WARD, JOSEPH; DRAPER, JOHN

Diagnosis and Treatment of Urethral Diverticulum. In Press. Surg. Gyn. & Obstet.

VAN ITALLIE, THEODORE B., joint author. See: HASSAN, HABIBA

VAN ITALLIE, THEODORE B., joint author. See: BERGEN, STANLEY

VAN ITALLIE, THEODORE B., joint author. See: CAMPBELL, ROBERT G.

VAN ITALLIE, THEODORE B., joint author. See: LEE, DAISY

VAN ITALLIE, THEODORE B., joint author. See: PINTER, KAROLY G.

VAN PRAAGH, IAN G.; POVY, E. G.

Paracervical Block Anesthesia in Labor. Canadian Med. Assoc. J. Vol. 99:262. The Use of Paracervical Block Anesthesia in Dilatation and Curettage. Canadian Med. Assoc. J. Vol. 94:267. 1966. Paracervical Block Anesthesia for Dilatation and Curettage. Obstet. and Gynec. Vol. 129:167. 1967

vonMISCKY, LAJOS I.

Ultrasonic Tomography in Obstetrics and Gynecology. Diagnostic Ultrasound 348:368. Plenum Press, May, 1966

WARD, JOSEPH, joint author. See: TOVELL, HAROLD M. M.

WEATHERLY-WHITE, ROY C. A.; STARK, RICHARD B.; DEHAAN, CLAYTON R.

Acoustic Analysis of Speech Validation Studies. Cleft Palate, Journal. 3, No. 3 291-300

WEINSTEIN, KENNETH

The OPD — Point of Contact. Hospital Practice 94-95

WEST, JOHN P., joint author. See: KNOX W. GRAHAM

YUE, SHYH-JONG; COCCHIARELLA, ANTONIO

Rehabilitation of Geriatric Patients with Hip Fracture. J. of the Amer. Geriatrics Society

ZINTEL, HAROLD A; BLUMENTHAL, JESSE A.

Abdominal Abscess. Antibacterial Agents and Liver Abscess. Chapt. XXXIII in "The Acute Abdomen". Edited by H. R. Hawthorne

ZINTEL, HAROLD A., joint author. See: SCHWARTZ, DAVID R.

ZURIER, ROBERT B.; HASIM, SAMI A.; VAN ITALLIE, THEODORE B.

Abolition of Cholestyramine – induced Steatorrhea by Tripelargonin. Clinical Research 14:308 (abstract)

ZURIER, ROBERT B.; HASIM, SAMI A.; VAN ITALLIE, THEODORE B.

Enrichment of depot fat with odd and even numbered medium chain fatty acids Federation Proceedings. 25:366 (abstract)

ZURIER, ROBERT B.; CAMPBELL, ROBERT G.; HASHIM, SAMI A.; VAN ITALLIE, THEODORE B.

Use of Medium-chain triglyveride in management of patients with massive resection of the small intestine. New England J. of Medicine 274:490-493

# Nursing Service Department

Mrs. Helen Umano, R.N., B.S., M.A., Director

## 1966

was a year of major reorganization, both in Hospital Administration and in the Nursing Service Department. In September the Department became responsible to Mr. Dennis Harrington, newly appointed Associate Director for patient services.

Miss Frances Brewer, Supervisor of Nursing Equipment Department, retired in January after 35 years with St. Luke's Hospital Center and was honored with a tea to commemorate the occasion. Her death some months later saddened all who had known her during her marvelously full career at St. Luke's. Nursing Equipment Department was transferred to Sterile Supply as of January 31, 1966 in accordance with long range plans for a centralized supply department in the Vanderbilt replacement.

We continued the trend toward decentralization of nursing administration with the promotion of Mrs. Eileen Jennings from Administrative Assistant, Staffing, to Assistant Director, Nursing Service with full responsibility for recruitment and assignment of staff.

Miss Dorothy Hamilton retired April 1st after 20 years as Supervisor of the Private Pavilion. Mrs. Myrtle Fitzpatrick was appointed to replace her with the title of Assistant Director of Nursing Service for the Private Pavilion with full responsibility for nursing service administration in this area.

Mrs. Christine Abrahamsen was appointed Assistant Director of Nursing Service for Inservice Education in July. She was assigned responsibility for both professional and nonprofessional inservice. Under her direction the Inservice Department has continued to grow

and develop, reflecting our belief that there is an increased need for programs both for the beginning practitioner and for experienced nursing service personnel at all levels.

In March the department changed from a 40 hour to a 37½ hour work week to bring it in line with other departments of the hospital. Patient Transportation extended its coverage from 5 days a week to 6, thus increasing services to patients and nursing units.

The ninth floor of Woman's Hospital was opened July 5th increasing the semi-private gynecological service by 20 beds. The Metabolic Unit also moved from Plant 3 to its new quarters on Woman's Nine.

Forty-five student nurses from 3 collegiate schools of nursing joined our staff for a ten week period beginning in June. Forty worked as nurses aides and five, who had obtained permits to practice as practical nurses, functioned in this capacity. Their services were much appreciated during the summer months. In addition, from a recruitment point of view, we hope that some will rejoin us after graduation as staff nurses.

Beginning in June our staffing position improved and we were able to fill all budgeted positions for the remainder of 1966. We were also able to recruit more qualified practical nurses in 1966 than had been possible in previous years.

Many factors such as personnel policies, staff morale and quality of service play a part in recruitment and retention of staff. However, credit must also be given to Mrs. Jennings, Assistant Director of Nursing Service for her talents and untiring efforts in recruitment and staffing.

In July, Miss Dorothy Reardon, Senior Inservice Coordinator, was freed from all other responsibilities to devote her time to the Coronary Care Unit Committee as its Chairman. Miss Reardon with Miss Elizabeth Young, who had been appointed Head Nurse of the unit and members of the Committee began to plan for the coronary care unit to be located on Stuyvesant 5.

In August the Nursing Service offices from Vanderbilt 3, Minturn 3 and Plant Ground moved to Travers 4 and part of Travers 5. The consolidation of the various departments expedited their functioning and



resulted in an uplift in morale due to the attractiveness of the new offices.

At Mr. Harrington's request we began to explore the possibility of nursing service conducting research within the hospital setting. Accordingly, the Nursing Research Committee was established in November for this purpose with Mrs. Abrahamsen as Chairman.

Concurrently with these changes, the basic work of the department — planning for and administering nursing care to our patients — was carried on by the staff of the department. I would like to conclude this report by thanking all members of Nursing Service for their continued support and hard work. Without it the accomplishments of the past year would not have been possible.

# Report of the St. Luke's Hospital School of Nursing

Evelyn M. Peck, R.N., B.S., M.A., Director

This year has provided an opportunity for each faculty member and for each student to participate in the revised program of study. The class of 1967 who are to graduate in May will have been the first class to complete the two year and eight month program. Changes have already occurred as a result of an on-going curriculum evaluation.

## Student Organization

The students have continued to be active in their own school organization and two students have held office in area VIII of the New York Student Nurse Association. The association held its convention in New York City this year and many of the students were able to attend. Two students represented the school in San Francisco at the National Student Nurses Association convention in June.

The students have sponsored a child with student organization funds during the year and have voted to continue this sponsorship in 1967. They correspond with their adopted child through an interpreter and send extra money on his birthday and Christmas. The student organization also continues to contribute to the New York City Visiting Nursing Service, The Frontier Nursing Service of Kentucky and the Eleanor M. Pise Scholarship Fund.

## Capping, Commencement

Seventy-five students of the class of 1968 were capped in June and three weeks earlier the 74 members of the class of 1966 participated in the baccalaureate service and commencement in the Cathedral

Church of St. John the Divine. Sarah Gibson Blanding, President Emeritus of Vassar College was the guest speaker.

School enrollment continues to diminish with an average student census of 197 as opposed to a census of 244 five years earlier. Seventy-seven applicants were admitted in 1966 as opposed to 101 in 1961. This continued decline is naturally a matter of great concern and has occupied much of the time of the nursing committee of the Board of Trustees.

### Scholarships

Forty-six students received a total of \$14,068 in scholarship aid from New York State Regent Scholarships and other privately endowed scholarships.

### Faculty Activities

Committees of the faculty organization continue to review suggestions of the National League for Nursing in New York State Education Department as they apply to the evolving curriculum of Nursing education. Earlier than originally planned a change in term plans was effected. The first year program now consists of three sixteen week terms and eventually all terms with the exception of psychiatric nursing will be sixteen weeks in length.

### Recommendations

We would like to note that for the year ahead it is suggested that a thorough cost analysis be done to pinpoint areas of high expense. A total evaluation on the school program should be planned for the fall of 1967.

The curriculum study and review has proved so successful and has resulted in so many changes that it is strongly recommended that such review continue.

The progressive decline in numbers of entering students and in total numbers of students points to the changing view of nursing education. Throughout the country nursing educators have for sometime strongly recommended that nursing become part of a College or University degree granting program. While much study

has been given to this by the Nursing Committee of the Board of Trustees, it is hoped that in the year 1967 definite action be taken which would put St. Luke's Hospital School of Nursing back into the front ranks of nursing education which it has occupied for so many of the years since its founding.

## Officers of the Department of Nursing St. Luke's Hospital Center

### Administration

*Assistant Director St. Luke's Hospital Center for Nursing and Related Services; Director, Nursing Service*  
Peck, Evelyn, R.N., B.S., M.A.

*Associate Director of Nursing Service*  
Backus, Joan, R.N., B.S., M.A.

*Assistant Director Nursing Service Inservice Education*  
Abrahamson, Christine, R.N., B.S., M.A.

*Assistant Director Nursing Service Patient Care*  
Bowens, Beverly, R.N., B.S.

*Assistant Director Nursing Service Obstetrics and Gynecology*  
Collier, Gwendoline, R.N., B.S., M.A.

*Assistant Director Nursing Service Private Pavilion*  
Fitzpatrick, Myrtle, R.N.

*Assistant Director Nursing Service Staffing*  
Jennings, Eileen, R.N.

*Assistant Director Nursing Service Operating Rooms*  
Pereira, Hilda, R.N., B.S.

### Inservice

Acheson, Sheila, R.N.  
*Inservice Instructor, Coronary Care*

Alvarez, Betty, R.N., B.S., M.A.  
*Instructor, Inservice Education*

Ball, Marquerite, R.N.  
*Inservice Instructor Parent Education—OBS*

Buffa, Bernice, R.N.  
*Inservice Instructor, Operating Room*

DeRossi, Sara, R.N., B.S.  
*Instructor, Inservice Education*

Gidley, Lena, R.N.  
*Instructor, Inservice Education*

Keyes, Marcia, R.N., B.S., M.A.  
*Co-ordinator, Exchange Visitor Program*

Maloney, Mary, R.N., B.S., M.A.  
*Senior Co-ordinator, Inservice Education*

Martin, Nancy, R.N.  
*Inservice Instructor, Intensive Care Unit*

Reardon, Dorothy, R.N., B.S.  
*Senior Co-ordinator, Inservice Education*

Savage, Lois, R.N.  
*Assistant Co-ordinator, Exchange Visitor Program*

Sears, Marjorie, R.N., B.S.  
*Instructor, Inservice Education*

Weiss, Anita, R.N.  
*Specialist Assistant, Policies*

### Nursing Supervisors, Days

Arnott, Mary, R.N.  
*Assistant Supervisor, Private Pavilion*

Cheu, Cynthia, R.N.  
*Supervisor, Psychiatry Service*

Dietz, Ruth, R.N., B.S., M.A.  
*Supervisor, Special Surgery*

Domingo, Josefa, R.N., B.S., M.A.  
*Supervisor, Obstetrics*

Essenfeld, Margaret, R.N.  
*Assistant Supervisor, Private Pavilion*

Hanson, Joan, R.N., B.S.  
*Supervisor, Operating Room*

Haslup, Martha, R.N., B.S., M.A.  
*Supervisor, Medical Service*

Javier, Felicidad, R.N., B.S., M.A.  
*Supervisor, Gynecology*

Lawrence, Averil, R.N.  
*Supervisor, Operating Room WH*

Perkins, Mary, R.N., B.A.  
*Supervisor, Day Relief*

Sudol, Lorraine, R.N., B.S.  
*Supervisor, Surgical Service*

Wallace, Cynthia, R.N.  
*Supervisor, Pediatric Service*

### **Nursing Supervisors, Evenings**

Boger, Elaine, R.N.  
*Assistant Supervisor, Evenings*

Cooper, Velda, R.N.  
*Assistant Administrative  
Supervisor, Evenings*

Edwards, Barbara, R.N.  
*Assistant Supervisor of Nursing,  
Evenings*

Goldberg, Renee, R.N.  
*Assistant Supervisor, Evenings*

Kirkus, Eileen, R.N.  
*Assistant Supervisor, Evenings*

Mirambell, Judith, R.N.  
*Assistant Supervisor, Evenings*

Moor, Dorothy, R.N.  
*Administrative Supervisor, Evenings*

O'Leary, Helen, R.N.  
*Assistant Supervisor, Evenings*

### **Nursing Supervisors, Nights**

Clayton, Delores, R.N.  
*Assistant Administrative  
Supervisor, Nights*

Grapel, Nancy, R.N.  
*Assistant Supervisor of  
Nursing, Nights*

Jacoby, Louise, R.N.  
*Administrative Supervisor, Nights*

Parker, Vallie, R.N.  
*Assistant Supervisor, Nights*

Scott, Daisy, R.N.  
*Assistant Supervisor, Nights*

Sinclair, Margaret, R.N.  
*Assistant Supervisor of  
Nursing, Nights*

Tunney, Mary, R.N.  
*Assistant Supervisor, Nights*

### **Head Nurses**

Benford, Helen, R.N.  
*Head Nurse, EENT Patients*

Bottinger, Dorothy, R.N.  
*Head Nurse, Surgical Ward Patients*

Carroll, Sara, R.N.  
*Head Nurse, Semi-Private Patients*

Chenet, Loretta, R.N.  
*Head Nurse, Semi-Private Patients*

Clancy, Estelle, R.N.  
*Head Nurse, Semi-Private Patients*

Coates, Jean, R.N.  
*Head Nurse, Surgical Ward*

Conroy, Katherine, R.N.  
*Head Nurse, Private Patients*

Daury, Marie, R.N.  
*Head Nurse, Pediatrics*

Deakin, Mary, R.N.  
*Head Nurse, Gynecological,  
Recovery Room*

Fiehn, Carol, R.N.  
*Head Nurse, Medical Ward*

Gobert, Adele, R.N.  
*Head Nurse, Obstetrics,  
Private Patients*

Gonzales, Maria, R.N.  
*Head Nurse, Gynecology,  
Private Patients*

Hausaman, Ethel, R.N.  
*Head Nurse, Private Patients*

Huffman, Nina, R.N.  
*Head Nurse, Private Patients*

Jones, Elizabeth, R.N.  
*Head Nurse, Surgical Ward*

Kaweske, Joan, R.N.  
*Head Nurse, Columbia University  
Infirmary*

Mannier, Marianne, R.N.  
*Head Nurse, Urology Patients*

Martin, Leona, R.N.  
*Head Nurse, Private Nursery*

Menzel, Barbara, R.N.  
*Head Nurse, Intensive Care Unit*

- Mikulewicz, Emily, R.N.  
*Head Nurse, Medical Ward Patients*
- Minnaman, Susan, R.N.  
*Head Nurse, Metabolic Patients*
- Morgan, Dorothy, R.N.  
*Head Nurse, Gynecology Ward Patients*
- McCauley, Frances, R.N.  
*Head Nurse, Labor and Delivery Room*
- McGonagle, Grace, R.N.  
*Head Nurse, Semi-Private Patients*
- McMahon, Nancy, R.N.  
*Head Nurse, Medical Ward Patients*
- McRae, Virginia, R.N.  
*Head Nurse, Ward Nursery*
- Oothout, Gertrude, R.N.  
*Head Nurse, Semi-Private Patients*
- Orlando, Clara, R.N.  
*Head Nurse, Cystoscopy*
- Pearce, Edith, R.N., B.S.  
*Head Nurse, Recovery Room*
- Quann, Barbara, R.N.  
*Head Nurse, Emergency Room*
- Ramsay, Annie, R.N.  
*Head Nurse, Private Patients*
- Robinson, Hyacinth, R.N.  
*Head Nurse, Orthopedic Ward Patients*
- Spence, Phyllis, R.N.  
*Head Nurse, Obstetrics Ward Patients*
- Tames, Brenda, R.N.  
*Head Nurse, Semi-Private Patients*
- Von Gal, Marise, R.N.  
*Head Nurse, Premature Nursery*
- Washington, Gloria, R.N.  
*Head Nurse, Private Patients*
- Weisberger, Margaret, R.N.  
*Head Nurse, Psychiatric Patients*
- Wilgus, Ellen, R.N.  
*Gynecology, Ward Patients*
- Wilson, Frances, R.N., B.S.  
*Head Nurse, Private Patients*
- Wolfe, Suzanne, R.N.  
*Head Nurse, Semi-Private Patients*
- Young, Elizabeth, R.N.  
*Head Nurse, Coronary Care Unit*
- Zeilman, Helen, R.N.  
*Head Nurse, Pediatrics*



**Faculty and  
Administrative Staff  
St. Luke's Hospital  
School of Nursing — 1967**

*Director:*

Frances Lee Avella, R.N., B.S., M.A.

Vivian J. Ahl, R.N., B.S., M.A.  
*Instructor, Non-Clinical Nursing,  
Coordinator Community Activities*

Myra S. Balinson, B.S., M.A.  
*Clinical Psychologist and  
Psychology Instructor*

Veda Kay Black, R.N., B.S.  
*Assistant Nursing Instructor  
Maternal & Child Health*

Ruth Dittmar, B.A., R.N., M.A., M.S.  
*Science Instructor*

Helen Ferguson, R.N., A.A.  
*Assistant Nursing Instructor*

Dolores A. Fernandez, B.S., R.N.,  
B.S., M.S.  
*Science Instructor*

Karin Freas, R.N.  
*Assistant Nursing Instructor*

Eva Good, R.N., B.Sc.N.  
*Assistant Nursing Instructor*

Edna Gordon, A.B., M.S.  
*Librarian*

Margot Hartke, R.N., B.S.  
*Assistant Nursing Instructor*

Judith M. Kim, R.N., B.S., M.A.  
*Nursing Instructor*

Eleanor Kniker, R.N., B.S.  
*Nursing Instructor*

Harriett Knowlton, R.N., B.S.  
*Nursing Instructor  
Maternal & Child Health*

Margaret Kozlowski, R.N.  
*Nursing Instructor*

Mary S. Lannon, R.N., B.A., M.S.  
*Supervisor, Student Health Service*

Alice M. Martin, R.N., B.S., M.A.  
*Science Instructor*

Mary Ann M. Mihm, R.N., B.S.  
*Nursing Instructor*

Carolyn McChesney, R.N., B.S.N.  
*Assistant Nursing Instructor  
Maternal & Child Health*

Carol Pieper, B.S.  
*Recreational Instructor*

Jeannine Rabinowitz, B.S., M.S.  
*Teaching Nutritionist*

Jack Sacher, A.B., M.A., Ph.D.  
*Director, Musical Activities*

Mary Scavillo, R.N., B.S.  
*Assistant Nursing Instructor*

Virginia E. Scherer, B.S., M.P.S.  
*Registrar*

Cynthia Sculco, R.N., B.S.  
*Assistant Nursing Instructor*

Janice Tucker, R.N., B.S., M.A.  
*Nursing Instructor  
Maternal & Child Health*

Rosemary Wisnovsky, R.N., B.S.  
*Assistant Nursing Instructor*

Mary Ann Zito, R.N., B.S.  
*Assistant Nursing Instructor*

## Alumnae Association of St. Luke's Hospital School of Nursing — 1967

*President:*  
Cynthia J. Wallace

*Treasurer:*  
Ruth Dittmar

*Vice President:*  
Marilyn Oberst

*Corresponding Secretary:*  
Martha Kirk

*Recording Secretary:*  
Lois Flegen Heimer

*Assistant Treasurer:*  
The Hanover Bank

## Woman's Hospital Nurses' Alumnae Association, Inc.

*President:*  
Mrs. George H. Cobham

*Treasurer:*  
Mrs. Joseph M. Grohol

*Vice President:*  
Mrs. James Corbett

*Assistant Treasurer:*  
Mrs. Charles Kane

*Secretary:*  
Miss Jane McCabe

## Society of the Alumni of St. Luke's Hospital

*President:*  
F. Stafford Wearn, M.D.

*Secretary:*  
Charles G. Adsit, Jr., M.D.

*Vice President:*  
John Keating, Jr.

*Treasurer:*  
Eugene L. Hoch, M.D.

## Woman's Hospital Alumni Society

*President:*  
Bernard N. Nathanson, M.D.

*Secretary:*  
Stuart Oster, M.D.

*Vice President:*  
Esther M. Ward, M.D.

*Treasurer:*  
Ilan Van Praagh, M.D.



# Auditors' Report

To the Board of Trustees  
St. Luke's Hospital Center  
New York, New York 10025

We have examined the balance sheet of St. Luke's Hospital Center as of December 31, 1966, and the related statement of changes in fund balances and statement of income and expense for the year then ended. Our examination was made in conformity with generally accepted auditing standards and accordingly included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances.

All securities owned by the Hospital Center at December 31, 1966 were held by the Manufacturers Hanover Trust Company as custodian, and income from interest, dividends and rents for the year under review are stated as shown in the records of the custodian.

In our opinion, subject to the foregoing, the accompanying balance sheet, statement of changes in fund balances and statement of income and expense, together with footnotes, fairly present the financial position of St. Luke's Hospital Center at December 31, 1966 and the results of its operations for the year then ended, in accordance with generally accepted accounting principles applied on a basis consistent with that of the preceding year.

MacNICOL, JOHNSON & CO.  
Certified Public Accountants

New York, N. Y.  
April 14, 1967

# St. Luke's Hospital Center

## Comparative Balance Sheet as of

### ASSETS

	December 31, 1966	December 31, 1965
<b>General Fund</b>		
Cash in banks and on hand	\$ 131,410.00	\$ 61,653.69
Accounts receivable:		
Due from patients	\$ 3,957,801.84	\$ 3,329,617.91
Less: Allowance for uncollectible accounts	1,172,254.83	654,600.72
Due from patients—net	2,785,547.01	\$ 2,675,017.19
Due from Blue Cross plans	177,376.12	321,695.51
Due from Medicare	225,156.29	—
Due from City of New York	1,406,895.06	504,461.45
Miscellaneous accounts receivable	126,511.99	162,806.98
Investments	4,721,486.47	3,663,981.13
Inventories of supplies	24,385.88	50,301.57
Prepaid expenses	298,380.22	253,287.12
Construction and plant rehabilitation in progress	165,772.15	121,139.56
Total	364,401.07	599,954.85
Total	\$ 5,705,835.79	\$ 4,750,317.92
<b>Unrestricted Reserve Fund</b>		
<b>St. Luke's Hospital:</b>		
Cash in bank	\$ 83,509.76	\$ 31,660.14
Investments	1,072,746.98	3,239,813.92
Due from General Fund	1,300,000.00	—
Total	\$ 2,456,256.74	\$ 3,271,474.06
<b>Woman's Hospital:</b>		
Cash in bank	\$ 2,827.09	\$ 79,841.61
Investments	1,019,347.67	1,241,759.09
Due from Dual Century Fund	1,955,000.00	1,955,000.00
Total	\$ 2,977,174.76	\$ 3,276,600.70
Total	\$ 5,433,431.50	\$ 6,548,074.76
<b>Endowment Funds</b>		
<b>St. Luke's Hospital:</b>		
General and Restricted Endowment Funds:		
Cash in bank	\$ 16,007.05	\$ 141,056.44
Investments	23,991,095.05	22,624,744.50
Total	\$24,007,102.10	\$22,765,800.94
Less: Temporary funds' undivided interest	589,256.94	384,225.86
The A. Van Horne Stuyvesant Memorial Fund:		
Cash in bank	\$ 8,553.24	\$ 25,624.62
Investments	6,016,632.47	5,951,770.26
Building and equipment — Stuyvesant Pavilion (less accumulated depreciation)	2,666,918.44	2,775,520.36
Total	8,692,104.15	8,752,915.24
<b>Woman's Hospital:</b>		
General and Restricted Endowment Funds:		
Cash in bank	\$ 6,233.92	\$ 6,293.70
Investments	2,266,134.97	2,245,034.75
Total	\$ 2,272,368.89	\$ 2,251,328.45
Less: Temporary funds' undivided interest	20,921.80	20,728.08
Total	\$2,251,447.09	\$2,230,600.37
Total	\$34,361,396.40	\$33,365,090.60
<b>Temporary Funds for Designated Purposes</b>		
<b>St. Luke's Hospital:</b>		
Cash in bank	\$ 170,800.27	\$ 170,607.16
Investments	254,384.45	239,774.27
Undivided interest in Endowment Funds assets	589,256.94	384,225.86
Due from General Fund	1,085,734.11	1,100,000.00
Total	\$ 2,100,175.77	\$ 1,894,607.29
<b>Woman's Hospital:</b>		
Cash in bank	\$ 47,593.74	\$ 79,157.79
Undivided interest in Endowment Funds assets	68,515.54	20,728.08
Total	\$ 2,168,691.31	\$ 1,994,493.16
<b>Dual Century Fund</b>		
Cash in banks and on hand	\$ 219,474.92	\$ 934,797.73
Investments	558,540.63	640,397.51
Pledges receivable	432,118.48	588,034.37
Construction in progress	926,868.93	654,191.08
Total	\$ 2,137,002.96	\$ 2,817,420.69
<b>Plant Fund</b>		
<b>St. Luke's Hospital:</b>		
Cash in bank	\$ 12,974.80	\$ 2,995.03
Investments	1,020,000.00	975,000.00
Hospital properties and equipment (less accumulated depreciation)	13,007,262.01	10,832,252.25
Total	\$14,040,236.81	\$11,810,247.28
<b>Woman's Hospital:</b>		
Hospital properties and equipment (less accumulated depreciation)	9,119,883.09	8,347,695.93
Total	23,160,119.90	20,157,943.21
<b>TOTAL ASSETS</b>	<b>\$72,966,477.86</b>	<b>\$69,633,340.43</b>

Note: No determination has yet been made with respect to any retroactive rate adjustments which may be due from the Associated Hospital Service of New York, as Medicare intermediary and Blue Cross insurer, for services to patients covered by these plans who were admitted during 1966. Therefore, the amounts due from Blue Cross plans and due from Medicare, as shown in the foregoing statement, do not include any accruals of additional amounts applicable to 1966 which may be received in 1967.

# Balance Sheet

December 31, 1966 and December 31, 1965

## LIABILITIES AND FUND BALANCES

	December 31, 1966		December 31, 1965	
<b>General Fund</b>				
Accounts payable .....	\$ 637,115.97		\$ 627,019.53	
Accrued salaries payable .....	370,957.99		310,924.22	
Payroll taxes withheld and accrued .....	202,809.95		167,264.95	
Due to Unrestricted Reserve Fund .....	1,300,000.00		—	
Due to Temporary Funds for Designated Purposes .....	1,085,734.11		1,100,000.00	
Other liabilities .....	116,284.93		89,363.82	
<b>Total Liabilities</b> .....	<b>\$ 3,712,902.95</b>		<b>\$ 2,294,572.52</b>	
Reserve for special appropriations .....	419,888.42		651,778.19	
General Fund balance .....	1,573,044.42		1,803,967.21	
<b>Total</b> .....	<b>\$ 5,705,835.79</b>		<b>\$ 4,750,317.92</b>	
<b>Unrestricted Reserve Fund Principal</b>				
St. Luke's Hospital .....	\$ 2,456,256.74		\$ 3,271,474.06	
Woman's Hospital .....	2,977,174.76		3,276,600.70	
<b>Total</b> .....	<b>\$ 5,433,431.50</b>		<b>\$ 6,548,074.76</b>	
<b>Endowment Funds</b>				
<b>St. Luke's Hospital:</b>				
General Endowment Funds principal .....	\$12,750,621.24		\$12,263,001.81	
Restricted Endowment Funds principal .....	10,667,223.02	\$23,417,845.16	10,118,573.27	\$22,381,575.08
The A. Van Horne Stuyvesant Memorial Fund principal .....		8,692,104.15		8,752,915.24
<b>Woman's Hospital:</b>				
General Endowment Funds principal .....	1,971,720.88		\$ 1,953,464.22	
Restricted Endowment Funds principal .....	279,726.21	2,251,447.09	277,136.15	2,230,600.37
<b>Total</b> .....		\$34,361,396.40		\$33,365,090.69
<b>Temporary Funds for Designated Purposes</b>				
<b>St. Luke's Hospital:</b>				
Unexpended income from Restricted Endowment Funds .....	\$ 445,602.44		\$ 316,901.94	
Unexpended donations for designated purposes .....	1,654,573.33	\$ 2,100,175.77	1,577,705.35	\$ 1,894,607.29
<b>Woman's Hospital:</b>				
Unexpended income from Restricted Endowment Funds .....	16,005.44		\$ 28,260.75	
Unexpended donations for designated purposes .....	52,510.10	68,515.54	71,625.12	99,885.87
<b>Total</b> .....		\$ 2,168,691.31		\$1,994,493.16
<b>Dual Century Fund</b>				
Accounts payable .....	\$ 89,915.22		\$ 539,595.45	
Due to Unrestricted Reserve Fund .....	1,955,000.00	\$ 2,044,915.22	1,955,000.00	\$ 2,494,595.45
Dual Century Fund reserve .....		92,087.74		322,825.24
<b>Total</b> .....		\$ 2,137,002.96		\$ 2,817,420.69
<b>Plant Fund</b>				
<b>St. Luke's Hospital:</b>				
Loan payable .....	\$ 450,000.00		\$ 475,000.00	
Plant Capital .....	13,590,236.81	\$14,040,236.81	11,335,247.28	\$11,810,247.28
<b>Woman's Hospital:</b>				
Plant Capital .....		9,119,883.09		8,347,695.93
<b>Total</b> .....		\$23,160,119.90		\$20,157,943.21
<b>TOTAL LIABILITIES AND FUND BALANCES</b> .....		\$72,966,477.86		\$69,633,340.43

# St. Luke's Hospital Center

## Comparative Statement of Income and Expenses for the Years Ending December 31, 1966 and December 31, 1965

	1966	1965
<b>Net Operating Income</b> .....	\$16,508,018.68	\$13,475,956.30
<b>Operating Expenses</b>		
Salaries, Wages and Fees .....	13,265,332.24	11,628,909.23
Supplies, Expenses and Food .....	5,437,963.17	4,717,939.94
Recovery of Expenses (Deducted) .....	(361,044.38)	(293,786.99)
<i>Net Operating Expenses</i> .....	<u>18,342,251.03</u>	<u>16,053,062.18</u>
<i>Net Operating Loss</i> .....	1,834,232.35	2,577,105.88
<b>Supplementary Income</b>		
Income from Investments of:		
General Endowment Fund .....	\$ 757,616.60	\$ 844,438.26
Unrestricted Reserve Fund .....	255,080.41	277,067.77
The A. Van Horne Stuyvesant Memorial Fund	323,872.88	317,602.49
Unexpended donations for designated purposes .....	3,936.58	3,496.29
Income from various trusts and estates .....	32,369.26	97,072.32
United Hospital Fund .....	36,271.00	44,059.00
Greater New York Fund .....	53,041.00	72,168.00
Appropriated from temporary funds for designated purposes .....	517,190.43	433,468.47
Appropriated from reserve for special appropriations (Schedule B-1) .....	120,564.98	88,368.93
Donations for general purposes .....	147,328.43	196,214.77
Annual subscriptions for support of beds .....	12,500.00	12,500.00
Hospitality Shop net profit (loss) .....	(16,422.05)	(19,386.96)
Net profit (loss) on sales of securities .....	(1,758.22)	25.25
Social Service Department Income:		
Appropriated from temporary funds for designated purposes .....	34,467.14	29,583.06
United Hospital Fund .....	4,841.00	4,258.00
Greater New York Fund .....	16,329.00	13,884.00
Thrift Shop income .....	5,293.16	9,176.43
Donations, dues and miscellaneous .....	13,674.13	10,035.00
<i>Total Supplementary Income</i> .....	<u>\$ 2,316,195.73</u>	<u>\$ 2,434,031.08</u>
<b>Profit (or Loss) Before Provision For Depreciation</b> .....	<u>481,963.38</u>	<u>(143,074.80)</u>
<b>Provision For Depreciation</b>		
Depreciation of Buildings .....	418,589.24	339,231.15
Depreciation of Equipment .....	339,559.13	335,009.28
<i>Total Provision for Depreciation</i> .....	<u>758,148.37</u>	<u>674,240.43</u>
<i>Excess of Expenses Over Income for the Year</i> .....	<u>\$ 276,184.99</u>	<u>\$ 817,315.23</u>



# St. Luke's Hospital Center

## Condensed Statement of Income and Expenses for the Year Ended December 31, 1966

Operating Income	1966
Income from Patients—Net (Schedule C-1):	
Private patients .....	\$ 3,320,114.06
Semi-private patients .....	5,916,483.43
Ward patients .....	5,495,210.49
Newborn infants .....	362,720.38
Private ambulatory patients .....	241,168.39
Clinic patients .....	696,723.98
Emergency room patients .....	220,978.62
Home care patients .....	22,118.13
Net Income from Patients .....	<u>\$16,275,517.48</u>
Other Operating Income:	
Training school fees .....	\$ 64,128.58
Recoveries on accounts written off .....	19,893.79
Discounts on purchases .....	29,510.08
Sales of materials, supplies and scrap .....	6,202.21
Rents and commissions .....	25,498.03
Services charged to research grants .....	69,736.68
Miscellaneous .....	17,531.83
Total Other Operating Income .....	<u>232,501.20</u>
Total Operating Income .....	<u>\$16,508,018.68</u>
Operating Expenses:	
Professional Care—General .....	\$ 2,090,924.39
Professional Care—Nursing .....	4,324,127.66
Professional Care—Special .....	3,233,547.40
Out-Patient Services .....	640,010.27
Social Service Department .....	206,354.81
Household and Maintenance Departments .....	4,809,407.57
Administration and General .....	3,398,923.31
Recovery of Expenses (Deducted) .....	361,044.38
Net Operating Expenses .....	<u>\$18,342,251.03</u>
Net Operating Loss .....	\$ 1,834,232.35
Supplementary Income .....	<u>2,316,195.73</u>
Profit Before Provision for Depreciation .....	<u>\$ 481,963.38</u>
Provision for Depreciation:	
Depreciation of Buildings .....	\$ 418,589.24
Depreciation of Equipment .....	339,559.13
Total Provision for Depreciation .....	<u>\$ 758,148.37</u>
Excess of Expenses Over Income:	
For the Year .....	<u><u>\$ 276,184.99</u></u>



THIS DELIVERY ROOM

IS GIVEN IN MEMORY OF

RALPH L. BARRETT, M.D.

OBSTETRICIAN, GYNECOLOGIST AND TEACHER

AT WOMAN'S HOSPITAL 1923-1962

BY HIS FRIENDS AND COLLEAGUES

## Our Benefactors . . .

The following pages list the names of many of the generous friends of the Hospital Center who have contributed to the support of the various special needs of St. Luke's and Woman's. Benefactors of one hundred dollars or more are listed by name. While space does not permit the listing of the many contributors of smaller amounts, our appreciation is nonetheless great. That the Hospital Center has been able to maintain its high standards of patient care is due largely to the continued interest and loyalty of all contributors. The Board of Trustees, on behalf of the professional staffs and all the Hospital Center personnel gratefully acknowledges this financial assistance.

### Gifts for General Purposes- 1966

Gifts of \$1,000 and Over . . . . .	34
Gifts of \$500 to \$1,000 . . . . .	9
Gifts of \$100 to \$500 . . . . .	128
Gifts of \$50 to \$100 . . . . .	91
Gifts Under \$50 . . . . .	1,732
Total Number of Donations . . . . .	1,994
Total Amount Contributed . . . . .	\$116,406.68

## GIFTS WERE GIVEN IN MEMORY OF THE FOLLOWING:

Mrs. Mary Alper	Mrs. Alice Hoit
Mrs. F. Huntington Babcock	Mr. Fred Hoven
Mr. J. Stewart Baker	Miss Lois Jaffe
Dr. Ralph L. Barrett	Mr. Andrew Jelinek
Mrs. Eugene Bartsch	Mr. Winton Paul Johnson
Mrs. Helen Berger	Antrim Kachigian
Mr. L. C. Bigelow	Mrs. Rose Kanarek
Gladys Bigongtary	Mr. Kenneth Karlson
Mrs. Frances Blumert	John H. Keating, Sr., M.D.
Antonio & Marie Boullosa	Mr. William Kemp
Mr. Manny Braaf	Mrs. Agnes Hall Kerr
Frances H. Brewer	Dr. Frederick Knowles
Frances B. Brommersberg	Miss Robin Sabrina Kochman
Mrs. H. M. Brookfield	Mrs. Muriel Kopito
Jessie Brunette	S. Kramer
Mr. Benjamin Caston	Neomi Lanvogel
Mrs. George L. Cheney	Harriet Leach
Pauline Cherofff	Mrs. Anna Lenz
Mr. Joseph Clasp	Anna Lilja
Mr. Russell Crouse	Mr. Walter Logan
Mr. Thomas Daughen	Mr. Robert Long
Mr. Gregory Davis	Dr. Henry Lyle
Mrs. Pat Day	Dr. Edward Lyon
Mabel Detmold Memorial Fund	Mrs. Catherine Malloy
Mary A. Dix	Mr. Nat Marguelis
Mrs. Francis Dixon	Mr. George Marks
Mrs. Ruth Dunn	Mrs. Adele Marr
Mr. Vincent Eherlich	Agnes Mastick
Mr. Richard J. Ellett	Mr. Thomas McCarthy
Lavitina Eves	Mr. Kenneth Meurer
Mr. Joseph Faciolla	Lilla Mews
Mrs. Ida Finkelstein	Mr. Ellis Moore
Louise G. Fonner	June Thomson Moore
Mr. Philip Foote	Mr. Frank Moos
Rev. Eric Friedus	Mrs. Anna Newman
Nancy Gardner	Mr. David C. Patterson
Dr. Lloyd Gaston	Mr. Jack Patton
Dr. Glafke	Leonie Penin
Mr. Robert Goelet	Mr. Nicholas Pepe
Mr. Isidore Gottlieb	Dr. Boris Petroff
Mr. Benny Greenfield	Louise Phelan
Janet Gustafson Memorial Fund	Mr. Stanley Phillips
Frances Haley	Mr. James Pike, Jr.
Jennie Hench	Mr. Reginald Pressprich
Mr. John S. Henry	Mr. Robert T. Quittmeyer, Jr.
Dr. George F. Hoch	Tantine Reichenback

Loretta Riley  
 Mr. William A. Robbins  
 Dr. Beverly Robinson  
 Mr. Julius Rosenthal  
 Mr. Jack Salvage  
 Mr. A. Sand  
 Marie G. Schmidinger  
 Mr. Arthur Schmitt  
 Mrs. Samuel Schneider  
 Elizabeth Golden Seeb Memorial Fund  
 Mrs. Herman Seeb  
 Elizabeth Van Leer Sharp  
 Memorial Fund  
 Dr. J. M. Smith  
 Susan Stadner  
 Emily Steedman  
 Freda Steimle

Mrs. Katherine Strakoach  
 Mrs. Florence Swanson  
 Mr. Clarence Twyeffort  
 Mr. Leroy Van Hoesen, Sr.  
 Elizabeth W. Vaughan Memorial Fund  
 Mr. Vigliotti  
 Miss Louise Volcker  
 Mrs. Weheness  
 Mrs. Max Whiteman  
 Mr. Sidney Wickes  
 Dr. Frederick Wilke  
 Mrs. Bertha Wilhelm  
 Caroline W. Wilson  
 Rev. George Wyatt  
 Mrs. Katherine Wygant  
 Mr. Thomas D. Yutzy

## Dual Century Fund Contributors 1966

### \$1,000 and over

Allen, Mrs. Mary B.  
 Altman Foundation  
 Anonymous—2  
 Babcock, Mr. Huntington F.  
 Barker Welfare Found.  
 Benjamin, Jr., Mr. & Mrs. Henry R.  
 Blackmer Foundation, Henry M.  
 Bleibtreu Foundation, Jacob  
 Booth Ferris Foundation  
 Burden, Mrs. W. A. M.  
 Coleman, Mrs. Simmons  
 Crocker Trust, Mary A.  
 Cromwell, Mr. Jarvis  
 Davison, Mr. Daniel P.  
 Fowlkes, Mrs. J. Winston  
 Goelet, Mrs. Anne Marie  
 Goelet, Mr. Robert C.  
 Granger, Mr. & Mrs. David  
 Guthrie, Mr. Henry B.  
 Halsey, Mr. Van R.  
 Hirshorn, Mr. & Mrs. Joseph H.  
 Humes, Mr. John P.  
 Hyde Foundation, Lillia Babbitt  
 Irving Trust Company  
 Ives, Mr. & Mrs. Kenneth A.  
 Jarvis, Miss Edith L.  
 Kighlinger, Benjamin N., M.D.  
 Lins, Mrs. John P.  
 Manicę, Mrs. Beatrice G.  
 Michel, Mr. Clifford W.

Milbank Foundation, The Dunlevy  
 Monell Foundation, Ambrose  
 Otis Elevator Company  
 Pease, Mr. & Mrs. Perry R.  
 Rieger, Henry, D.D.S.  
 St. James Church  
 St. Luke's Hospital Center  
 Alumnae Association  
 St. Luke's Hospital Center Auxiliary  
 and Assistant Board of  
 Woman's hosp.  
 Schieffelin, Mr. William J.  
 Sprague Educational & Charitable  
 Foundation, The Seth  
 Stout, Mr. A. Varick  
 Stubbs, Mr. Merrill  
 Sutphen, Mr. Henry R.  
 Taylor Found., Myron & Anabel  
 Treadwell, Brig. & Mrs. John W. F.  
 Trinity Church  
 Twyeffort, Mr. Clarence M. (Deceased)  
 Union Carbide Corporation  
 United States Trust Co.  
 Webb, Mr. Samuel B.  
 Whitridge, Col. & Mrs. Arnold  
 Winant, Edward M., M.D.

### \$500 — \$1,000

American Savings Bank  
 Anderson, Orrin E., M.D.



Begg, Charles F., M.D.  
 Davis, Mrs. Howland S. (Deceased)  
 Dickson, Carol C., M.D.  
 Doubleday, Mrs. Russell  
 Feltman, James A., M.D.  
 Finby, Dr. & Mrs. Nathaniel  
 Geer, Dr. Francis G.  
 Goldstein, Emanuel, M.D.  
 Harrold, Charles C., M.D.  
 Hill, Norman A., M.D.  
 Jefferson, Mr. Floyd W.  
 Lavengood, Russell W., M.D.  
 Mathews, Mr. Hiram A.  
 Norton, William S. II, M.D.  
 Pierson, Jr., Richard, M.D.  
 Rothschild, Mr. Walter N.  
 St. George's Society of N. Y.  
 Schwartz, Miles J., M.D.  
 Sivigny, Edward, M.D.  
 Stark, Richard B., M.D.  
 Whittemore, Jr., Aubrey L., M.D.  
 Yue, Shyh-Jong, M.D. \*

#### **\$100 — \$500**

Acosta-Velarde, Antonio, M.D.  
 Aldridge, John S., M.D.  
 Andreae, Eric, M.D.  
 Athos, William J., M.D.  
 Basora, Ramon E., M.D.  
 Bell, Jr., A. L. Loomis, M.D.  
 Blancato, Louis S., M.D.  
 Bogoshian, Charles K., M.D.  
 Brenner, Arthur S., M.D.  
 Caemmerer, Alexander, M.D.  
 Christakis, George, M.D.  
 Colfax, Jane A., M.D.  
 Crampton, Richard S., M.D.  
 Dalton, John E., M.D.  
 D'Arc, Victor, M.D.  
 DeHaan, Clayton R., M.D.  
 Dermksian, George, M.D.  
 Epstein, William A., M.D.  
 Frank, Judith E., M.D.  
 Gilbert, C. Louis, M.D.  
 Goldstone, Jonas M., M.D.  
 Goodbody, Maurice F., M.D.  
 Greteman, Leonora L., M.D.  
 Haase, Louis G., D.D.S.  
 Harding, Errol N., M.D.  
 Hazlett, Jane, M.D.  
 Hellstrom, Lillian H., M.D.  
 Hempel, Herbert F., M.D.  
 Hopewell, William S., M.D.  
 Irvine, Jed H., M.D.

Kahn, Willard S., M.D.  
 Kovaleff, Michael O., M.D.  
 Lamont, Miss Anna C.  
 Lee, Sui Tsung, M.D.  
 Liegner, Leonard, M.D.  
 Lintz, Joseph, M.D.  
 Lintz, Worth B., M.D.  
 Livingston, E. Arthur, M.D.  
 McCord, Colin, M.D.  
 McKinney, John M., M.D.  
 McKinney, Mrs. J., M.D.  
 MacDonald, David M., M.D.  
 Magliato, Henry, M.D.  
 Maloof, Waleed G., M.D.  
 Margulies, Lazar C., M.D.  
 Milici, John, M.D.  
 Mintz, Nathan, M.D.  
 Munzer, Jean T., M.D.  
 Nash, Warner, M.D. and  
 Nash, Artemis, M.D.  
 Nolan, Dr. & Mrs. John J.  
 Perelman, Louis, M.D.  
 Reisner, Jr., Edward H., M.D.  
 Richards, Charles H., M.D.  
 Russo, Dr. & Mrs. Joseph N.  
 Schaeffer, Frances C., M.D.  
 Schick, Robert W., M.D.  
 Sebrell, William H., M.D.  
 Shimomura, Seichi, M.D.  
 Shnayerson, Ned, M.D.  
 Smith, Craig N., M.D.  
 Stanley-Brown, Edward G., M.D.  
 Stevenson, Stuart S., M.D.  
 Stothers, Hilton H., M.D.  
 Stroh, Edward, D.D.S.  
 Swift, Lucy H., M.D.  
 Symington, Mr. William H.  
 Trent, Jr., Mr. William J.  
 Tuul, Aino, M.D.  
 Van Itallie, Theodore B., M.D.  
 Van Praagh, Ian, M.D.  
 Vollmer, Edward C., D.D.S.  
 Ward, Joseph N., M.D.  
 Ward, Robert L., M.D.  
 Watkins, Elizabeth, M.D.  
 Weisberg, Howard, M.D.  
 Wellington, Mr. & Mrs. Harold F.  
 Whitfield, Stanley, M.D.  
 Wiener, Jerry M., M.D.  
 Wilson, Charles P., M.D.  
 Wimpfheimer, Seymour, M.D.  
 and Davidson, Alan, M.D.  
 Wright, Myron C., M.D.  
 Zickel, Robert G., M.D.  
 Zintel, Harold, M.D.

## Contributors to General and Special Funds 1966

### \$1,000 and over

- |                                    |                                   |
|------------------------------------|-----------------------------------|
| Ackermann Memorial Fund, G. A.     | Mallinckrodt Chemical Works       |
| Altman Fund                        | March Foundation, Inc., The       |
| Anonymous (7)                      | Mead Johnson & Company            |
| Arthritis and Rheumatism           | Melling, Miss Marjorie            |
| Foundation, Inc.                   | Merck & Co., Inc.                 |
| Arthur, Thelma E., M.D.            | Merrill Trust, Charles E.         |
| Baiz, Miss Marguerite G.           | Miller, Mrs. Danforth             |
| Beekman, Robert S., M.D.           | Minor, Mr. Clark H.               |
| Bingham, Mrs. Harry Payne          | Norfleet, Miss Grizzelle          |
| Blum Fund, Robert E.               | Olney, Mr. B. C.                  |
| Bostwick, Mr. & Mrs. Albert C.     | Oster, Stuart, M.D.               |
| Bunker, Estate of Arthur H.        | Parker Charitable Trust, Minnie   |
| Cartwright, Mr. W. Aubrey          | Phipps, Mr. Howard                |
| Clemens Fund, Inc., The Marie Heye | Porter, Estate of Louise M.       |
| Coleman, Mr. John A.               | Prentice, Mrs. Clarence           |
| Coleman, Mr. Stewart P.            | Readers Digest Association, The   |
| Crouse, Mrs. Russel                | Riker, Mrs. William C.            |
| Davids, Arthur M., M.D.            | Ryan, Mrs. Mary Lee Johnson       |
| Dickson, Carol C., M.D.            | Ryder, Mrs. Eva T.                |
| Draper, John W., M.D.              | St. Andrews Convalescent Hospital |
| Dunnington, Mrs. Taylor            | St. Luke's Hospital Center, Inc., |
| Ehre, Sam., M.D.                   | Alumnae Association of            |
| Freidus, Mr. Ralph E.              | St. Thomas Church                 |
| Garvan, Mrs. Mabel Brady           | Schieffelin                       |
| Garver, Mr. Chauncey B.            | Schwechendieck Trusts             |
| Giblin, Mrs. Walter                | Scott Memorial Fund               |
| Grace, Mrs. W. R.                  | Scott Foundation, Walter          |
| Grace Institute of New York        | Scoville, Miss Edith              |
| Grant Foundation, Inc.             | Smith, Dr. and Mrs. Herbert J.    |
| Hallan, Mr. Arthur                 | Special Dairy Industry Board      |
| Halsey, Mr. Van R.                 | Spetnagel, Miss Elizabeth A.      |
| Hoechst Pharmaceuticals            | Spetnagel, Miss Louise deB.       |
| Holmes, Mr. Jay                    | Stark, Richard B., M.D.           |
| Huber Foundation, The              | Stony Wold Corporation            |
| Independent Citizens Res. Found.   | Strasburger Memorial, The Irwin   |
| Killock Foundation, Inc., The      | Switzer Foundation                |
| Klee Fund, Inc., The               | Swords, Mr. & Mrs. Jacquelin A.   |
| Latsey, Van Peter, M.D.            | Syntex-Laboratories, Inc.         |
| Lewis, Mrs. George Albert          | Talcott Fund, Inc., James         |
| Lilly & Co., Eli                   | Tobacco Research-U.S.A. The       |
| Lipton Foundation, Inc., Thomas J. | Council for                       |
| Major Foundation, Cedric           | Trinity Church                    |



Vander Poel, Mrs. Blanche P. B.  
 Vander Poel, Mr. William H.  
 Vaughan, Mrs. Eleanor W.  
 Ward, Miss Mary E.  
 Waters, Mr. Robert H.  
 West, John P., M.D.  
 White, Mrs. John Campbell  
 Whitehall Foundation, Inc.  
 Whiton, Mr. Herman F.  
 Wiener, Jerry, M.D.

#### **\$500 to \$1,000**

Advanced Laboratory Associates, Inc.  
 Alexander, Mr. Douglas H.  
 Alexander, Miss Helen B.  
 Bradley, Mr. F. Kenneth  
 Bunce, Miss Hazel  
 Cartwright, Mrs. Carroll L.  
 Cartwright, Mrs. Constance B.  
 Case, Robert B., M.D.  
 Cerro Corporation  
 Chantecler Corporation  
 Cromwell, Mr. Jarvis  
 Culpeper Foundation, Inc., Charles E.  
 Finby, Nathaniel, M.D.  
 Fleming, Mrs. Nancye Markle  
 Flood, Charles A., M.D.  
 Fraser, Robert W., Jr., M.D.  
 Geist, Mr. Irving  
 Guthrie, Mrs. Randolph H.  
 Hamilton, W. Selden, M.D.  
 Hartley Scholarship Fund  
 Henry, Mrs. Mary Z.  
 Hirsch, Mr. Jules  
 International Business Machines Corp.  
 Johnston, Barbara, M.D.  
 Joyce, Mr. Morton Dean  
 Kochman, Richard, M.D.  
 Kueh, Mr. C. C.  
 Leeming, Mr. Leonard B.  
 Lord Foundation, Mary  
 McKim, Mr. Robert J.  
 Morgenstern, Mr. & Mrs. Morris  
 Oaklawn Foundation  
 Riverside Church  
 Rue, Mrs. Francis J.  
 Russell, Mr. Frank F.  
 Schultz, Mrs. Winifred K.  
 Sealtest Foods  
 Squibb Institute for Medical Research  
 Thomas, Samuel F., M.D.  
 VPI Productions, Inc.  
 Weyerhaeuser Foundation, Inc.

#### **\$100 to \$500**

Aborn, Mr. Julius  
 Ada, Alexander E. W., M.D.  
 American Cyanamid Company  
 Amos Lodge No. 938, F. & A. M.  
 Anderson, Mr. Robert W.  
 Andrews, Mr. Prescott R.  
 Anonymous 2  
 Appleton, Mr. Francis R., Jr.  
 Aquilino, Mrs. Anna  
 Arlin Fund, Inc.  
 Beinecke, Mrs. Katherine  
 Bell, A. L. Loomis, Jr., M.D.  
 Bidwell, Mr. J. Truman  
 Blair & Family, Mr. & Mrs. Edwin F.  
 Blancato, Louis S., M.D.  
 Blough, Earl, M.D.  
 Bock, Mr. Bernard  
 Bonoff, Mr. Morris A.  
 Bonyne Memorial Fund, M. Alida  
 Brayman, Mr. Harold  
 Brookfield, Mr. & Mrs. Henry M., Jr.  
 Brookfield, Mr. Samuel L.  
 Brookfield, Mr. William L.  
 Budd, Mr. John M.  
 Bunker, Mrs. Isabel  
 Burford, G. Edgar, M.D.  
 C. A. L. Foundation, Inc.  
 Camp, Mr. Kingsland  
 Carling, Miss F. Evelyn  
 Chandler, Mrs. F. A.  
 Childs, Edward P., M.D.  
 Christie, Mr. Gerald E.  
 Chu, Mrs. Lucy  
 Clark, Mrs. Huguette  
 Class of 1966  
 Columbia Committee for  
 Community Service, Inc.  
 Cromwell, Mrs. Jarvis  
 Cutler, Mr. & Mrs. Howard  
 Cutting, Mrs. C. Suydam  
 Dallio, Salvatore, M.D.  
 Davidson, Mr. & Mrs. Sidney W.  
 Davis, Mrs. John F.  
 deOssorio, Mrs. P. Y.  
 Dewey Fund, Thomas E.  
 Dickson & Co., Becton  
 Dominick, Mr. Bayard  
 Dunnington, John H., M.D.  
 Eastman-Kodak Co.  
 Eggers, Harry, M.D.  
 Eiseman, Mrs. Ferdinand  
 Ely, Mr. & Mrs. Edward  
 Epstein, Mr. Samuel

- Findlay, Charles W., Jr., M.D.  
 Folsom, Mr. Frank M.  
 Forgan, Mr. J. Russell  
 Fosburgh Fund, Inc.  
 Frelinghuysen, Miss M. E.  
 French Investing Co., Inc., Fred F.  
 Frew, Mrs. Robert  
 George, Mrs. Sarah  
 Gifford, Mr. Donald S.  
 Gillette, Mrs. E. H.  
 Gimbel, Mr. Bruce A.  
 Goldstein Foundation,  
   Harriet B. L. & Jonah J.  
 Gonzales, Mr. Edward W.  
 Great Northern Railway Co.  
 Guthrie, H. Randolph, Jr., M.D.  
 Haas, Mr. Marc  
 Hagerty, Mr. Harry C.  
 Harrah, Mrs. Maude S.  
 Harrison, Mr. James S.  
 Harrower, Mrs. Helen H.  
 Hassel, Mr. Charles J.  
 Hay, Mrs. Clarence L.  
 Herring, Albert C., M.D.  
 Hill & Knowlton, Inc.  
 Hirsch, Mr. William  
 Hoit, Mrs. Alice G.  
 Holden, Mr. W. Wilson  
 Holloway, Mr. Bernard L.  
 Holmes, Mrs. Jane A.  
 Hopeman, Mrs. Albert  
 Hoyt, Miss Gertrude R.  
 Hutton, Mrs. John L.  
 Hyde, Mr. John Barker  
 Interboro Mutual  
 International Mineral &  
   Chemical Corp.  
 Irvine, Jed H., M.D.  
 Irwin, Mr. & Mrs. Bill  
 Isbell, Mr. Joseph  
 Jacoby, Mr. & Mrs. Franklyn W.  
 Jaffe, Mr. & Mrs. Leonard  
 Jaffe, Mr. Louis R.  
 Jobson, Mr. C. Frank  
 Johnston, Mr. J. Wesley  
 Jones, John & Mary  
   Schimpff, Harper & Nellie  
 Kane, Mr. and Mrs. R. Keith  
 Katzenbach, Mrs. M. Thomas  
 Kaye, Mr. H. Austin  
 Keheley, Mr. Lewis R.  
 Keniston, Mrs. Mary E.  
 Kirkland, Mr. William R., Jr.  
 Kittredge, Mrs. Carola  
 Knott, Mr. James  
 Kochman, Mr. & Mrs. S.  
 Lagemann, Mr. Walter  
 Larkin, Mr. Peter A.  
 Lawrence, Mr. Arthur B.  
 Lincoln, Mr. F. W.  
 Lions Club of Elmhurst, Inc.  
 Litchfield, Mrs. Arthur V.  
 Lloyd, Mr. & Mrs. Herbert  
 Lowe, Mr. & Mrs. Gerald, Jr.  
 Lynn, Mr. & Mrs. Vernon R. Y.  
 Macgregor, Mr. & Mrs. Wallave  
 Maclay, Mrs. Alfred B.  
 Madigan-Hyland, Inc.  
 Marcus, Mr. Jefferson  
 Marsteller, Mr. & Mrs. William A.  
 Martin, Mr. Walter H.  
 Martyn, Miss Florence H.  
 Mason Foundation, Birny, Jr.  
 Mathews, Mr. Hiram A.  
 McCulloch, Mr. Robert M.  
 McDonald, Mr. & Mrs. Willis  
 McGrath, Mrs. J. Wade  
 McHugh, Mr. Thomas F.  
 McIlhenny Company  
 Meckler, Mr. & Mrs. H. L.  
 Melamid, Mr. George  
 Metzger, Mr. & Mrs. Herbert  
 Meyeringh, Mr. Petrus W.  
 Michelman, Mr. Samuel  
 Moore, Mrs. Paul  
 Morgan, Mr. Henry S.  
 Morningside Group of  
   Anesthesiologists  
 Morris, Mrs. Lewis R.  
 Morton, Dr. & Mrs. Paul C.  
 Munch, Mr. William  
 National X-Ray Products Corp.  
 Naglia, Mrs. Josephine  
 Neumark, Mrs. Kathryn W.  
 New Jersey Chapter of the College  
   of Surgeons  
 Nicolson, Gertrude H. B., M.D.  
 Niles, Miss Laura  
 Norton, William S., II, M.D.  
 Oakman, Carl S., M.D.  
 O'Brien, Mrs. James E.  
 Ohrstrom, Mr. Ricard R.  
 Osborn, Mrs. Frederick  
 Ossorio, Mr. Frederic E.  
 Paine, Mr. Ralph D., Jr.  
 Parkinson, Edith W.  
 Parson, Herbert, M.D.  
 Patrick, Miss Elizabeth  
 Philbrook, Mrs. Margaret E.  
 Pierot, III, Mr. Jacques

Polemus, Mrs. Henry M.  
 Pratt, Mrs. Richardson  
 Price, Mr. Theo. H.  
 Purdy, Mrs. Thomas L., Jr.  
 Radcliffe, Miss Gertrude S.  
 Rasmussen, Mr. Leslie W.  
 Rau, Mrs. Violet S.  
 Reiss, Harry, M.D.  
 Riker, Mr. Samuel, Jr.  
 Robinson, Mrs. Henry S.  
 Rosenthal, Mr. Andrew  
 Russell, Mr. & Mrs. Lawrence A.  
 Ryan, Mr. Allan A.  
 Society of the Alumni of  
     St. Luke's Hospital  
 Samuels, Mr. Robert, Jr.  
 Saunders, Mr. Kerby  
 Schaefer Landlubbers  
 Schaefer, Mr. R. J.  
 Schetlin, Charles F., M.D.  
 Schley, Mrs. Grace V. C.  
 Schmidinger, Mrs. Joseph  
 Schwartz, Miles J., M.D.  
 Scoville, Mrs. Herbert  
 Sheffield, Mr. Frederick  
 Sherry, Mr. Marcus D.  
 Sklar, Mr. & Mrs. S.  
 Sparrow, Mr. Edward G.  
 Staley, Mr. & Mrs. Thomas F.  
 Stone, Miss Elizabeth

Stout, Mr. Gardner D.  
 Straus, Mrs. Ralph I.  
 Sturgis, Mr. Edward, Jr.  
 Sutcliffe, Mr. Arthur T.  
 Tamlyn, Thomas T., M.D.  
 Thayer, Mr. Hollis N.  
 Thomas, Mr. & Mrs. Robert N., Jr.  
 Thompson, Frederick R., M.D.  
 Thomson, Mr. Clifton S.  
 Tuul, Aino, M.D.  
 Umano, Mrs. Helen  
 Van Vechten, Mr. Schuyler  
 Volcker, Mrs. Alma K.  
 Wardwell, Mrs. Allen  
 Warner Fund, Albert & Bessie  
 Watson Foundation,  
     John Jay & Eliza Jane  
 Wellington, Mr. & Mrs. Harold F.  
 Whiting, Frederick L., M.D.  
 Williams, T. R.  
 Williamson, Mrs. Frederick E.  
 Wilson, Mr. R. Thornton  
 Wollenberg, Mr. Abel L.  
 Wolley, Mrs. Knight  
 Worcester, Mr. Dean K.  
 Woudhuysen, Mr. & Mrs. Andries D.  
 Yonderbrook Foundation  
 Yutzy, Mrs. Thomas D.  
 Zintel, Harold A., M.D.

## Gifts for Special Purposes

### 1966

Ada Fund for Surgical Service .....	\$ 100.00
Altman Foundation Fund .....	1,000.00
Anesthesia Service Fund .....	2,665.00
Assistant Board Fund .....	218.67
Baird Foundation Fund for Social Service .....	58.75
Simeon B. Chapin, Jr., Scholarship Fund .....	6,653.37
Christmas Fund .....	1,240.00
Class of 1966 Fund .....	100.00
Clemens Fund for Clinic Care .....	5,000.00
Community Psychiatry Division Fund .....	200.00
Family Planning Clinic Fund .....	10,500.00
Danziger Appliance Fund .....	550.00
Dietary Staff Fund .....	1,110.55
Director's Discretionary Fund .....	810.00
Ear, Nose and Throat Fund .....	180.00
Special Equipment Fund .....	7,493.75
Eye Service Fund .....	250.00
Fleming Fund for Indigent Patients Needing Plastic Surgery .....	500.00
Dr. Flood Castro-Intestinal Fund .....	450.00
Gavin Fund for Social Service Needs of Patients .....	160.00
Carolyn Lathrop Goldsmith Memorial Room Fund for Private Patients ..	1,543.62
Grace Institute Scholarship Fund .....	2,000.00
Janet Gustafson Memorial Fund .....	14.00
Hartley Scholarship Fund .....	500.00
Havens Fund for Social Service .....	1,100.00
Dr. Herring Service Fund .....	10,000.00
Hospital Auxiliary Operating Fund .....	8,237.44
Interns and Residents Loan Fund .....	1,000.00
John H. Keating Sr. Memorial Fund .....	7,125.00
Dr. V. O. Latsey Fund .....	2,500.00
Medical Library Fund .....	2,500.00
Medical Library Special Electronic Equipment Fund .....	10,000.00
Discretionary Fund for Medical Service .....	4,247.80
Special Meetings Fund .....	300.00
Janet Stewart Melling Memorial Fund .....	1,000.00
External Cleaning of Muhlenberg Building Fund .....	2,211.50
Claude W. Munger Scholarship Fund .....	5,530.00
Alexander McLean Nicolson Cardiac Fund for Children .....	50.00
Nursery Fund .....	75.00
Obstetrics and Gynecology Department .....	5,000.00
Orthopedic Care Fund .....	65.00
O.P.D. Patients Fund for Special Needs .....	4,776.95
Pathology Department Fund .....	137.78
Renovation of Patients Library Fund .....	5,000.00
Patients Library Service Fund .....	175.20
Pediatric Service General Fund .....	2,152.00
Eleanor M. Pise Scholarship Fund .....	2,112.00
Plastic Surgery Fund .....	3,630.85
Fund for Portraits .....	1,995.00
Private Rooms Redecorating Fund .....	1,000.00

Radiology Department Fund .....	462.22
Radiotherapy Department Fund .....	5,250.00
Recreational Therapy Fund .....	20.00
Religious Department Fund for Special Purposes .....	10,245.50
Religious Service Work Fund .....	2,749.62
J. Gould Remick Memorial Fund .....	666.66
Residents' Fund .....	20.00
The Riverside Church Fund .....	100.00
School of Nursing Fund for Instruction Costs .....	10,000.00
School of Nursing Purposes Fund .....	916.00
School of Nursing Fund for Scholarships .....	40,008.25
Schweckendieck Fund for Crippled Children .....	1,900.00
Scott Memorial Fund for Cardio-Pulmonary Purposes .....	45,372.49
Walter Scott Foundation for Orthopedic Care of Children .....	5,055.00
Estelle Golden Seeb Memorial Fund .....	1,575.00
Elizabeth Van Leer Sharp Memorial Fund .....	95.00
Smith Periodical Fund .....	24.07
Henrietta H. Smith Periodical Fund .....	42.57
Social Service Christmas Fund .....	425.00
Social Service Director's Fund .....	1,103.00
Social Service Discretionary Fund .....	249.41
Social Service Fund for Camp Care .....	825.00
John Madeira and Marie E. Spetnagel Fund for House Officers .....	5,224.69
Stout Memorial Fund .....	1,000.00
Lillian Strohmeyer Memorial Fund for O.P.D. ....	10.00
Surgical Service General Fund .....	2,223.09
Switzer Foundation Fund for Scholarship Awards for Student Nurses ....	1,000.00
James Talcott Fund for Scholarships .....	1,000.00
Trustees Special Fund .....	210.00
Urological Department Fund .....	1,415.00
Elizabeth White Vaughan Memorial Fund for School of Nursing Scholarships .....	1,200.00
Volunteer Service Special Purposes .....	198.34
Woman's Hospital Library Fund .....	10,000.00
Woman's Hospital Social Service Fund .....	1,021.26
	<u>\$276,826.40</u>

## Gifts and Grants for Research 1966

For Cancer Research .....	\$ 49,923.63
For Community Health Studies .....	199,955.60
For Dermatology Research .....	5,000.00
For General Research (to be allocated to various projects) .....	82,267.00
For Medical Research (including arthritis, gastroenterology, cardiology, cardio-vascular and cardio-respiratory research, hematology, renal endocrine physiology, allergy and radio isotopes) .....	351,366.92
For Nutrition and Metabolic Research .....	343,181.36
For Obstetrical and Gynecological Research .....	28,522.00
For Orthopedic Research .....	10,409.70
For Pathology Research .....	10,587.50
For Psychiatric Research .....	186,060.30
For Radiology Research .....	3,500.00
For Surgical Research (including open heart and plastic surgery) .....	36,812.50
For Urology Research .....	8,850.00
<b>Total Gifts and Grants for Research .....</b>	<u><u>\$1,316,436.51</u></u>

## Endowments for Designated Purposes

Anonymous .....	\$ 3,000.00
Adelaide Thaw Beach Fund—	
Estate of Adelaide Thaw Beach .....	1,661.11
Simeon B. Chapin, Jr. Scholarship Fund	
Estate of Mary B. Chapin .....	6,653.37
Mary A. Fitzgerald Fund—	
Trust u/w of Mary A. Fitzgerald .....	189,744.61
Charles E. Merrill Fund—	
Estate of Charles E. Merrill .....	9,110.00
Dean Hoffman Private Room Fund—	
Mrs. M. Thomas Katzenbach.....	200.00
	<u>\$210,369.09</u>

## Memorial Endowments

Mabel Detmold Memorial Fund for Nursing Awards—	
Mr. George Detmold .....	\$ 9,876.58
Estate of Helen K. Clare .....	\$ 78,000.00

## Unrestricted Legacies

<i>St. Luke's Hospital—</i>	
Estate of Emily Buch .....	\$ 31,971.30
Estate of John A. Callender .....	725.40
Trust of Florence L.S. Clarke .....	99,009.32
Estate of Charles E. Dunlap .....	20,268.00
Estate of Anna J. Dussot .....	10,000.00
Estate of Alice Goodman .....	100,000.00
Estate of Helen Harvey .....	4,784.39
Estate of Mabel McVey Meadowcroft .....	5,000.00
Estate of Raymond T. Parrot .....	1,148.23
Estate of Reverend William Porkess .....	1,000.00
Estate of Ellen M. Saxe .....	625.00
Trust of Laura Shannon .....	149,803.31
Estate of Marion Parris Smith .....	56,932.85
Trust of Lila Childress Solly .....	5,000.00
Estate of Gladys Szechenyi .....	10,000.00
Trust of Ethel S. Tefft .....	1,190.04
Estate of Grace Van Tine .....	21,090.92
Trust of Estelle H. Warner .....	135,114.23
	<u>\$653,662.99</u>

### *Woman's Hospital—*

Estate of Agnes Carpentar .....	\$267,726.22
---------------------------------	--------------

## Income from Trusts and Estates

### *St. Luke's Hospital—*

Ruth L. Briggs Trust .....	\$ 88.32
Estate of Emily Buch .....	1,168.91
Estate of Mary B. Chapin .....	728.47
First Presbyterian Church Trust .....	7,973.56
Estate of Alice Goodman .....	7,000.00
Green Trust .....	994.84
Adrian Jackson Trust .....	8,335.93
Kurzman Trust Fund .....	276.20
Estate of Marion Parris Smith .....	82.97
Estelle H. Warner Trust .....	4,653.60
	<u>\$31,302.80</u>

### *Woman's Hospital—*

Ruth L. Briggs Trust .....	\$ 88.32
Estate of Edna L. Fox .....	618.14
Estate of Lillian Keller Kuhn .....	360.00
	<u>\$ 1,066.46</u>

## Funds Received—1966

### Recapitulation of Benefactions and Grants

Gifts for General Purposes	
St. Luke's Hospital .....	\$ 116,406.68
Woman's Hospital .....	30,785.69
Gifts for Special Purposes .....	276,826.40
Gifts and Grants for Research .....	1,316,436.51
Endowed Beds Funds .....	78,000.00
Endowments for Designated Purposes .....	210,369.09
Memorial Endowments .....	9,876.58
Unrestricted Legacies .....	921,389.21
Income from Estates and Trusts .....	32,369.26
Dual Century Fund .....	902,562.62
	<u>\$3,895,022.04</u>



# Woman's Hospital

## Gifts for General Purposes—1966

Gifts of \$1,000 and over .....	11
Gifts of \$500 to \$1,000 .....	5
Gifts of \$100 to \$500 .....	16
Gifts of \$50 to \$100 .....	26
Gifts of under \$50 .....	628
Total number of donations .....	686
Total amount contributed .....	<u>\$30,785.69</u>

### \$1000 and Over

Avalon Foundation  
 Beekman Family Association  
 Clark Foundation, Inc.  
     The Robert Sterling  
 Clarke, Jr., Mrs. Thomas L.  
 Cross Ridge Foundation, Inc.  
 Davis, Mrs. Howland S. (Deceased)  
 Grace, Mrs. W. R.  
 Huber Foundation, The  
 Marston, Mrs. Hunter S.  
 Noble Foundation, The Edward John  
 Williams Fund, Mildred Anna

### \$500-\$1,000

Beekman Family Association  
 Corey, Jr., Mrs. Alan L.  
 Hickox, Mrs. Charles V.  
 Mathews Mr. Hiram A.  
 Scoville, Miss Edith

### \$100-\$500

Benjamin Fund, The Henry Rogers  
 Culpeper Foundation, Inc., Charles E.  
 Humes, Mr. John P.  
 I. M. M. Charities, Inc.  
 McLane, Mrs. Huntington  
 Milbank, Mrs. Jeremiah  
 Moore, Mrs. Paul  
 Nichols, III, Mr. George  
 Perkins, Mrs. George W.  
 Pulitzer, Mrs. Ralph  
 Ryan, Mr. William H.  
 Sackett, Nelson, B., M.D.  
 Schmidinger, Mrs. Joseph  
 Stevens, Mrs. Edwin P.  
 Webb, Mrs. V.  
 White, Mrs. John Campbell

Babies Alumni Fund ..... \$ 7,211.35



# St. Luke's Hospital Patients, Statistics

<b>Patients in Hospital First of Year</b>	<b>1966</b>	<b>1965</b>
Private .....	81	105
Semi-Private .....	151	174
Semi-Private Divisions .....	—	—
Ward .....	213	240
<b>Total</b> .....	<b>445</b>	<b>519</b>
Newborn .....	28	45
<b>Total</b> .....	<b>473</b>	<b>564</b>

<b>Admitted During the Year</b>		
Private .....	3,282	3,577
Semi-Private .....	5,696	6,526
Semi-Private Divisions .....	1,069	—
Ward .....	7,788	8,101
<b>Total</b> .....	<b>17,835</b>	<b>18,204</b>
Newborn .....	2,177	2,019
<b>Total</b> .....	<b>20,012</b>	<b>20,223</b>

<b>Discharged During the Year</b>		
Private .....	3,367	3,602
Semi-Private .....	5,736	6,554
Semi-Private Divisions .....	1,032	—
Ward .....	7,701	8,122
<b>Total</b> .....	<b>17,836</b>	<b>18,278</b>
Newborn .....	2,134	2,036
<b>Total</b> .....	<b>19,970</b>	<b>20,314</b>

<b>Patients Remaining At End of Year</b>		
Private .....	96	80
Semi-Private .....	161	146
Semi-Private Divisions .....	45	—
Ward .....	166	219
<b>Total</b> .....	<b>468</b>	<b>445</b>
Newborn .....	47	28
<b>Total</b> .....	<b>515</b>	<b>473</b>

<b>Admission Classified By Religious Denominations</b>		
Protestant .....	7,182	7,503
Roman Catholics .....	8,215	8,291
Hebrew .....	2,303	1,845
Other Religions and None .....	2,312	2,584
<b>Total</b> .....	<b>20,012</b>	<b>20,223</b>

**Analysis of Patients Discharged**

	1966	1965
Cured or Improved .....	18,871	19,201
Unimproved .....	474	541
In for Diagnosis .....	4	13
Left Against Advice .....	118	119
Died .....	503	440
<b>Total</b> .....	<u>19,970</u>	<u>20,314</u>

**Total Patient Days**

Private .....	42,359	42,513
Semi-Private .....	68,368	70,600
Semi-Private Divisions .....	15,439	—
Ward .....	93,675	104,206
<b>Total</b> .....	<u>219,841</u>	<u>217,319</u>
Newborn .....	14,843	13,497
<b>Total</b> .....	<u>234,684</u>	<u>230,816</u>

**Average Daily Census**

Private .....	116	116
Semi-Private .....	187	193
Semi-Private Divisions .....	42	—
Ward .....	257	286
<b>Total</b> .....	<u>602</u>	<u>595</u>
Newborn .....	41	37
<b>Total</b> .....	<u>643</u>	<u>632</u>

**Average Stay Per Patient**

Private .....	12.58	11.80
Semi-Private .....	11.92	10.77
Semi-Private Divisions .....	14.96	—
Ward .....	12.16	12.83
<b>Total</b> .....	<u>12.33</u>	<u>11.89</u>
Newborn .....	6.96	6.63
<b>Total</b> .....	<u>11.75</u>	<u>11.36</u>

**Bed Complement**

Private .....	133	134
Semi-Private .....	227	212
Semi-Private Divisions .....	76	—
Ward .....	282	365
<b>Total</b> .....	<u>718</u>	<u>711</u>
Newborn .....	68	68
<b>Total</b> .....	<u>786</u>	<u>779</u>

**Bassinets**

Regular .....	56	56
Premature .....	12	12
<b>Total</b> .....	<u>68</u>	<u>68</u>

<b>Percentage of Bed Occupancy</b>	<u>1966</u>	<u>1965</u>
Private .....	86.93	80.08
Semi-Private .....	91.26	87.46
Semi-Private Divisions .....	76.73	—
Ward .....	81.30	74.77
<b>Total</b> .....	<u>84.88</u>	<u>79.55</u>
Newborn .....	59.80	46.90
<b>Total</b> .....	<u>82.69</u>	<u>76.44</u>

#### **Units Income and Costs For In-Patients**

Average Income Per Patient Day .....	\$64.40	\$55.07
Average Cost Per Patient Day .....	65.71	60.20
Average Loss Per Patient Day .....	<u>\$ 1.31</u>	<u>\$ 5.13</u>

# Out-Patients

	1966	1965
<b>Out-Patient Department</b>		
Total Number of Patient Visits .....	136,941	149,045
Number of Individuals Treated .....	43,329	30,076
<b>Unit Income And Costs For Out-Patients</b>		
Average Income Per Out-Patient Visit .....	\$ 5.09	\$ 4.40
Average Cost Per Out-Patient Visit .....	13.03	11.86
Average Loss Per Out-Patient Visit .....	<u>\$ 7.94</u>	<u>\$ 7.46</u>
<b>Cases Examined in Admitting and Emergency Departments</b>		
Treated And Referred To Out-Patient Department .....	36,154	32,963
Treated And Referred To Private Doctors .....	1,437	1,242
Treated And Referred To Personnel Office .....	433	340
Treated And Referred Elsewhere .....	895	841
Treated And Discharged .....	25,435	24,846
Examined and Admitted .....	4,537	4,847
Compensation Cases Treated And Referred Elsewhere ....	450	656
Left Without Being Seen; Against Advice .....	1,652	1,322
Columbia Health Service .....	1,426	1,268
<b>Total</b> .....	<u>72,419</u>	<u>68,325</u>

## Number of Employees

(As of December 31, 1966)

	1966	1965
Residents And Interns .....	132	127
Nursing Care .....	857	681
Student Nurses, Including Preclinical Students .....	208	233
School of Nursing .....	36	32
Operating Rooms (Includes Maids And Porters) .....	80	69
Delivery Rooms .....	23	18
Miscellaneous Professional Care .....	137	147
X-Ray Department .....	79	72
Pathological Laboratory .....	87	86
Other Special Services Departments .....	86	60
Out-Patient Department .....	92	75
Dietary Department .....	236	213
Housekeeping Department .....	190	143
Maintenance of Personnel .....	21	43
Laundry .....	69	70
Linen And Sewing Room .....	19	25
Maintenance of Buildings, Grounds And Equipment ....	52	50
Operation of Plant .....	56	54
Business Offices And Telephone .....	230	188
Purchasing And Storeroom .....	15	16
Executive Offices .....	20	17
Religious Services Department .....	5	6
Research .....	133	112
Other .....	45	31
<b>Total</b> .....	<u>2,908</u>	<u>2,568</u>

# Special Service Departments

	<u>1966</u>	<u>1965</u>
<b>X-Ray Department</b>		
Radiography		
Examination of In-Patients .....	28,866	28,376
Examination of Clinic Patients .....	28,958	24,817
Examination of Referred Out-Patients .....	3,475	8,642
<b>Total</b> .....	<u>61,299</u>	<u>61,835</u>
Number of Films Used .....	<u>172,911</u>	<u>179,907</u>
Radiotherapy — Number of Treatments:		
In-Patients .....	3,270	3,058
Clinic Patients .....	1,965	1,654
Referred Out-Patients .....	2,433	2,715
<b>Total</b> .....	<u>7,668</u>	<u>7,427</u>
<b>Pathological Laboratory Department</b>		
Number of Tests:		
In-Patients .....	298,786	268,943
Clinic Patients .....	89,265	81,941
Referred Out-Patients .....	11,265	10,085
Research And Others .....	19,375	20,908
<b>Total</b> .....	<u>418,691</u>	<u>381,877</u>
<b>Operating Rooms</b>		
Number of Operations:		
Private Patients .....	1,963	1,975
Semi-Private Patients .....	4,289	4,231
Ward Patients .....	4,522	4,722
Clinic Patients .....	—	242
Referred Out-Patients .....	132	122
<b>Total</b> .....	<u>10,906</u>	<u>11,292</u>
<b>Physical Medicine Department</b>		
Number of Treatments		
In-Patients .....	20,034	18,673
Clinic Patients .....	16,947	19,610
Referred Out-Patients .....	3,207	4,113
<b>Total</b> .....	<u>40,188</u>	<u>42,396</u>
Total Number of Patients' Visits .....	<u>17,237</u>	<u>16,763</u>
	<u>1966</u>	<u>1965</u>
<b>Electrocardiograph Department</b>		
Number of Examinations:		
In-Patients .....	9,775	8,793
Clinic Patients .....	1,775	2,078
Referred Out-Patients .....	106	122
<b>Total</b> .....	<u>11,656</u>	<u>10,993</u>



### Electroencephalograph Department

#### Number of Examinations:

In-Patients .....	453	467
Clinic Patients .....	341	335
Referred Out-Patients .....	191	163
<b>Total</b> .....	<u>985</u>	<u>965</u>

### Metabolism Department

#### Number of Tests:

In-Patients .....	35	27
Clinic Patients .....	17	25
<b>Total</b> .....	<u>52</u>	<u>52</u>

### Cystoscopic Department

#### Number of Treatments:

In-Patients .....	718	635
Clinic Patients .....	214	284
<b>Total</b> .....	<u>932</u>	<u>919</u>

### Blood Bank

#### Number of Transfusions:

In-Patients .....	5,153	4,446
<b>Total</b> .....	<u>5,153</u>	<u>4,446</u>

### Hearing And Speech

#### Number of Treatments:

In-Patients .....	260	264
Clinic Patients .....	2,714	2,879
<b>Total</b> .....	<u>2,974</u>	<u>3,143</u>

**CARDIOPULMONARY LABORATORY**

	<u>1966</u>	<u>1965</u>
Right Heart Catheterizations .....	107	87
Left Heart Catheterizations .....	75	64
Selective Cine & Angiograms* .....	104	86
Cardiac Pacemakers .....	44	9
Miscellaneous Heart Studies .....	11	20
<b>Total Heart Studies</b> .....	<u>341</u>	<u>266</u>
Pulmonary Function Studies .....	576	338
<b>Total Cardiopulmonary Studies</b> .....	<u>917</u>	<u>604</u>

\*In conjunction with Department of Radiology

**INHALATION THERAPY**

	<u>1966</u>	<u>1965</u>
Number of Patient Treatments:		
Intermittent Positive Pressure Breathing (Bedside & Clinic Treatments) .....	19,965	15,739
Oxygen Tents .....	2,560	1,384
Oxygen Masks & Catheters .....	3,013	1,788
Aerosol Treatments .....	101	154
Tracheal & Face Piece Humidifiers .....	72	257
Respirators .....	230	43
<b>Total Treatments</b> .....	<u>25,941</u>	<u>19,365</u>

**PLETHYSMOGRAPH**

Number of Treatments:

In-Patients .....	20	21
Out-Patients .....	15	17
	<u>35</u>	<u>38</u>

# Department of Religious Services

	<u>1966</u>	<u>1965</u>
<b>Special Services</b>		
Baptisms .....	9	13
Marriages .....	2	7
Memorial Services .....	7	2
Burials .....	14	19
 <b>Services of Holy Communion</b>		
Sundays .....	105	70
Other Days .....	93	53
Bedside .....	1,176	1,050
Total Communions Administered .....	4,496	4,039
 <b>Services Conducted in Chapel and Wards</b>		
Sundays .....	658	626
Other Days .....	1,514	735
Total Chapel Attendance.....	19,983	21,440

St. Luke's Hospital Center

# SCIENTIFIC AND ADMINISTRATIVE YEAR BOOK

Hospital  
Organization

Service  
Reports

Finance &  
Statistics

## Hospital Organization

- A1 Board of Trustees
- A2 Committees of the Board
- A3 St. Luke's Hospital Auxiliary
- A4 Assistant Board
- A5 Medical Board & Committees
- A6 Administrative Staff
- A7 Hospital Volunteers

## Service Reports

- B1 Anesthesiology
- B2 Dermatology
- B3 Medicine
- B4 Obstetrics & Gynecology
- B5 Ophthalmology
- B6 Oral Surgery & Dentistry
- B7 Otolaryngology
- B8 Pathology
- B9 Pediatrics
- B10 Physical Medicine
- B11 Psychiatry
- B12 Radiology
- B13 Surgery
- B14 Urology
- B15 The Medical Staffs
- B16 Scientific Publications
- B17 Nursing Service
- B18 School of Nursing Report
- B19 The Nursing Staff
- B20 Organizations

## Finance & Statistics

- C1 Balance Sheet
- C2 Income/Expense Statement
- C3 Gift Record
- C4 Patient Statistics

The contents of the Work Book may be located by flipping the upper right corners of the pages and finding the "letter-number" which corresponds to the desired section as shown in the listings above (e.g., flip to B3 for the report of the Medical Service). In addition, a conventional paged index appears on pages 2 and 3.

Scientific and Statistical Reports for 1967 | Hospital Organization for 1968  
St. Luke's Hospital Center | Amsterdam Ave. & 114th St., New York, N. Y.

# Contents

## Hospital Organization

Board of Trustees	5
Committees of the Board	6
St. Luke's Hospital Auxiliary	8
Assistant Board	11
Medical Board & Committees	12
Administrative Staff	19
Hospital Volunteers	20



# Service Reports

Anesthesiology 25  
Dermatology 29  
Medicine 33  
Obstetrics & Gynecology 53  
Ophthalmology 71  
Oral Surgery & Dentistry 73  
Otolaryngology 77  
Pathology 83  
Pediatrics 87  
Physical Medicine 94  
Psychiatry 97  
Radiology 107  
Surgery 111  
Urology 127  
The Medical Staffs 131  
House Staff 145  
Scientific Publications 149  
Nursing Service 159  
School of Nursing Report 163  
The Nursing Staff 165  
Organizations 169

# Finance & Statistics

Balance Sheet 172  
Income/Expense Statement 175  
Gift Record 177  
Patient Statistics 189



## Officers

### *Co-Chairmen of the Board:*

Jarvis Cromwell  
A. Varick Stout

### *President:*

Henry B. Guthrie

### *Chairman of the*

### *Executive Committee:*

W. Macy Chamberlin

### *Vice-President:*

Clarence G. Michalis

### *Vice-President:*

F. Huntington Babcock

### *Vice-President and*

### *Secretary:*

Daniel P. Davison

### *Assistant Secretary:*

George S. Johnston

### *Treasurer:*

Van Rensselaer Halsey

## Board of Trustees by Classes

*(whose terms expire respectively at the close of the annual meeting of the corporation in the following years)*

### 1968

Mrs. Simmons Coleman  
John P. Humes  
Peter Iselin  
Clarence G. Michalis  
Ricard R. Ohrstrom  
Eben W. Pyne  
Walter N. Rothschild, Jr.  
Frederick Sheffield  
A. Varick Stout

### 1969

F. Huntington Babcock  
W. Macy Chamberlin  
Daniel P. Davison  
Van R. Halsey  
Frank S. Hogan  
Clarence F. Michalis  
Perry R. Pease  
Mrs. Clendenin J. Ryan  
William J. Trent, Jr.  
Arnold Whitridge  
Frederick J. Woodbridge

### 1970

Mrs. John S. Burke, Jr.  
Jarvis Cromwell  
William L. Crow  
Mrs. J. Winston Fowlkes  
Henry B. Guthrie  
Kenneth A. Ives  
George S. Johnston  
Clifford W. Michel  
Henry R. Sutphen, Jr.  
John W. F. Treadwell, C.B.E.

## Trustees Ex-Officio

### *Representatives of St. George Society:*

Maurice G. Burnett  
David Granger

### *The Bishop of the Diocese of New York:*

The Right Reverend  
Horace W. B. Donegan,  
D.D., D.C.L.

### *The Mayor of the City of New York:*

The Honorable  
John V. Lindsay

### *The President of the Medical Board:*

Myron Wright, M.D.

### *The President of St. Luke's Hospital Auxiliary:*

Mrs. J. Winston Fowlkes

### *The Chairman of the Assistant Board, Woman's Hospital:*

Mrs. Clendenin J. Ryan

### *The Dean of the College of Physicians and Surgeons:*

Columbia University:  
H. Houston Merritt, M.D.

## Honorary Trustees

Mrs. Douglas Black  
Charles S. Brown  
Mrs. Mellon Bruce  
Chauncey B. Garver  
Frederick R. King, F.A.I.A.  
Hiram A. Mathews  
Mrs. Harold Ruckman Mixsell  
Donald G. Price  
William A. Read  
William J. Schieffelin  
Mrs. Walbridge S. Taft  
Schuyler Van Vechten

### *Counsel:*

Appleton, Rice and Perrin

### *Executive Director of the Hospital Center:*

Charles W. Davidson,  
B.A., C.P.A.

## Board of Trustees, Standing Committees

### Executive Committee

Jarvis Cromwell,  
*Co-Chairman of the Board*  
A. Varick Stout,  
*Co-Chairman of the Board*  
Henry B. Guthrie,  
*President*  
W. Macy Chamberlin,  
*Chairman, Executive Committee*  
F. Huntington Babcock,  
*Vice President*  
Clarence G. Michalis,  
*Vice President*  
Daniel P. Davison,  
*Vice President and Secretary*  
Van Rensselaer Halsey,  
*Treasurer*  
George S. Johnston,  
*Assistant Secretary*  
Mrs. John S. Burke, Jr.  
William L. Crow  
Mrs. J. Winston Fowlkes  
Kenneth A. Ives  
Frederick Sheffield  
Henry R. Sutphen, Jr.  
Arnold Whitridge  
\*Myron Wright, M.D.  
*President, Medical Board*  
\*Charles W. Davidson  
*Executive Director*

### Building Committee

William L. Crow, *Chairman*  
Mrs. John S. Burke, Jr.  
Mrs. J. Winston Fowlkes  
Henry B. Guthrie  
Kenneth A. Ives  
Walter N. Rothschild, Jr.  
Mrs. Clendenin J. Ryan  
Frederick G. Woodbridge  
\*Mrs. John B. Aspegren  
\*Frederick R. King  
\*Ralph Williams  
\*Charles W. Davidson  
\*By Invitation

**Committee on Budget and Personnel**William J. Trent, Jr., *Chairman*

Mrs. John S. Burke, Jr.

David Granger

John P. Humes

Clarence F. Michalis

Henry R. Sutphen, Jr.

\*Charles W. Davidson

**Finance Committee**Clifford W. Michel, *Chairman*

F. Huntington Babcock

Daniel P. Davison

Van R. Halsey

George S. Johnston

Clarence F. Michalis

Clarence G. Michalis

Ricard R. Ohrstrom

Perry R. Pease

**Committee on****Governmental Relations**Maurice Burnett, *Chairman*

Peter Iselin

\*Charles W. Davidson

**Committee on****Hospital Decorations**Mrs. J. Winston Fowlkes, *Chairman*

Mrs. Simmons Coleman

\*Mrs. Clarence G. Michalis

\*Mrs. Carl Oakman

John P. West, M.D.

**Joint Conference Committee**Henry B. Guthrie, *Chairman*

F. Huntington Babcock

W. Macy Chamberlin

Jarvis Cromwell

Daniel P. Davison

Van R. Halsey

Clarence G. Michalis

A. Varick Stout

\*Charles W. Davidson

**Medical Board**

Robert W. Fraser, Jr., M.D.

William S. Norton, II, M.D.

Stuart S. Stevenson, M.D.

Harold M. M. Tovell, M.D.

Theodore B. Van Itallie, M.D.

Myron Wright, M.D.

Harold A. Zintel, M.D.

**Committee on Legal Affairs**John P. Humes, *Chairman*

Frederick Sheffield

**Nominating Committee**Daniel P. Davison, *Chairman*

John P. Humes

Clarence F. Michalis

Eben W. Pyne

Frederick Sheffield

**Committee on Nursing**Arnold Whitridge, *Chairman*

Maurice Burnett

Mrs. Simmons Coleman

Peter Iselin

Kenneth A. Ives

George S. Johnston

Henry R. Sutphen, Jr.

\*Miss Erica Kohler

\*Eleanor Lambertson, EED

\*Miss Mary Tyrie

\*Charles W. Davidson

**Planning Committee**

Henry R. Sutphen, Jr.

Mrs. Simmons Coleman

William L. Crow

Clarence F. Michalis

Perry R. Pease

Walter N. Rothschild, Jr.

Arnold Whitridge

\*William S. Norton, II, M.D.

\*Charles W. Davidson

\*President Medical Board

\*Vice President Medical Board

**Committee on****Public Relations and Fund Raising**Kenneth A. Ives, *Chairman*

Jarvis Cromwell

Daniel P. Davison

Mrs. J. Winston Fowlkes

David Granger

Clifford W. Michel

Ricard R. Ohrstrom

Perry R. Pease

Eben W. Pyne

A. Varick Stout

Brigadier J. W. F. Treadwell

\*Mrs. Edward P. Childs

\*Francis G. Geer

\*Mrs. Edmund C. Lynch, Jr.

\*The Rev. Carleton J. Sweetser

**Committee on Religious Services**

The Brigadier J. W. F. Treadwell,

*Chairman*

The Rt. Rev. Horace W. B. Donegan,

D. D., S. T. D.

Mrs. J. Winston Fowlkes

Kenneth A. Ives

Clarence G. Michalis

Mrs. Clendenin J. Ryan

\*The Rev. Carleton J. Sweetser

**Joint Research Review Committee***Trustee Representatives:*

John P. Humes

Ricard R. Ohrstrom

Henry R. Sutphen, Jr.

\*Charles W. Davidson

\*By Invitation

## **St. Luke's Hospital Auxiliary**

### **Officers**

**May 1968-1969**

*President:*

Mrs. J. Winston Fowlkes

*1st Vice President:*

Mrs. Theron O. Worth, Jr.

*2nd Vice President:*

Mrs. Jeremiah Clarke

*Treasurer:*

Miss Gertrude R. Hoyt

*Recording Secretary:*

Mrs. Horace Hurley

*Corresponding Secretary:*

Mrs. William Lysn, Jr.

### **Chairmen of**

#### **Standing Committees**

*Church:*

Miss Eleanor M. Pise

*Executive:*

Mrs. J. Winston Fowlkes

*Library:*

Mrs. John P. Lins

*Social Service:*

Mrs. Haig Carapetyan

*Membership:*

Mrs. Simmons Coleman

*Thrift Shop: Acting Chairman:*

Mrs. Mitchell P. Valicenti, Jr.

*Gift Shop:*

Mrs. John P. West

*Volunteers: Chairman:*

Mrs. Oscar J. Weldon

*United Hospital Fund:*

Mrs. William Davidson

### **Chairmen of Special Committees**

*Decorating:*

Mrs. J. Winston Fowlkes

*Special Events: Co-Chairmen:*

Mrs. Edwin P. Stevens

Mrs. John McN. Sullivan

*Annual Luncheon Fashion Show:*

Mrs. H. Darby Perry

*Senior Ball:*

Mrs. Hilton H. Stothers

*Housekeeping:*

Mrs. Simmons Coleman

*Out-Patient Department:*

Miss Gertrude R. Hoyt

*Legislative:*

Mrs. John P. Lins

*Pediatric:*

Mrs. Carl S. Oakman

### **Active Members**

#### **Class of 1966-1969**

Miss Edythe Clark

Mrs. George Allen Fowlkes

Miss Gertrude R. Hoyt

Mrs. William T. Medl

Mrs. Clarence G. Michalis

Mrs. Merl L. Rouse

Mrs. Hugh Sanford III

Mrs. Charles F. Schetlin

Mrs. Cooper Schieffelin

Mrs. Edwin P. Stevens

Mrs. Hilton Stothers

Mrs. David Truman

Mrs. Mitchell Valicenti, Jr.

Mrs. Theodore B. Van Itallie

Mrs. John P. West

Mrs. Charles White

Mrs. Theron O. Worth, Jr.

**Class of 1967-1970**

Mrs. William F. Davidson  
 Mrs. Roland W. Donnem  
 Mrs. Charles E. Dunlap  
 Mrs. Robert Edmunds  
 Mrs. John W. Espy  
 Mrs. J. Winston Fowlkes  
 Mrs. Robert Fraser, Jr.  
 Mrs. H. Clifford Gayley  
 Mrs. C. Louis Gilbert  
 Mrs. Charles H. Gilbert  
 Mrs. Wheadon M. Grant  
 Mrs. Courtney H. Haight  
 Mrs. Leland B. Henry  
 Mrs. John P. Lins  
 Mrs. Clifford W. Michel  
 Mrs. Salvador Ros  
 Mrs. Arthur Slothower

**Class of 1968-1971**

Mrs. de Griers Armstrong  
 Mrs. A. L. Loomis Bell, Jr.  
 Mrs. Curtis Bird  
 Miss Virginia Black  
 Mrs. E. Michael Bradley  
 Mrs. Haig Carapetyan  
 Mrs. Jeremiah Clarke  
 Mrs. Simmons Coleman  
 Mrs. Duke Glenn  
 Mrs. Randolph Guthrie  
 Mrs. Horace Hurley  
 Mrs. Schenk Huxley  
 Mrs. William Lynn, Jr.  
 Mrs. Bondy Mackie  
 Mrs. H. Darby Perry  
 Miss Eleanor Pise  
 Mrs. Harold Tovell  
 Mrs. Robert H. Wellborn

**Honorary Members**

Miss Elizabeth Beebe  
 Mrs. Lyman C. Bleecker  
 Miss Adele F. Browning  
 Mrs. Edward B. Bruch  
 Mrs. Henry Sloane Coffin  
 Mrs. Joseph S. Minnis

**Associate Members**

Miss Frances M. Achilles  
 Mrs. Alexander E. W. Ada  
 Mrs. Russell Apsy  
 Mrs. John H. Bancker  
 Mrs. Leslie Barker  
 Mrs. Robert S. Beekman  
 Mrs. Arthur H. Bunker  
 Mrs. G. Edgar Burford  
 Mrs. G. Jarvis Coffin  
 Mrs. Reginald Conklin  
 Miss Mildred P. Coster  
 \*Mrs. Jarvis Cromwell  
 Mrs. Russell Crouse  
 Mrs. Donald Dallas  
 Mrs. Charles W. Davidson  
 Mrs. Richard de la Chapelle  
 Mrs. Edward J. Donovan  
 Mrs. William Eldridge  
 Mrs. Dumont Elmendorf  
 Mrs. Henry Leroy Finch  
 Miss Celestine P. Finley  
 Miss Leonora M. Finley  
 Mrs. Hugh F. Fitzpatrick  
 Mrs. Francis G. Geer  
 Mrs. Morris Goodbody, Jr.  
 Miss Eleanor Greenan  
 Mrs. Charles F. Hamrick  
 Mrs. Harold E. Herrick  
 Mrs. James C. Joyner  
 Mrs. John H. Keating, Jr.  
 Mrs. Graham Knox  
 Mrs. William C. Kopper  
 Mrs. Leonard Leeming  
 Mrs. Edmund C. Lynch, Jr.  
 Mrs. Lawrence M. Marks  
 Mrs. Flagler Matthews  
 Mrs. Robert E. McCabe, Jr.

\*Deceased



## **St. Luke's Hospital Auxiliary**

(continued)

Mrs. Colin McCord  
Mrs. John McD. McKinney  
Miss Eleanor M. Mellon  
Mrs. Malcolm Moley  
Mrs. Ellis M. Moore  
Mrs. Reginald L. Murphy  
Mrs. Charles J. Nourse  
Mrs. Carl Oakman  
Miss Gene S. Palmer  
Mrs. James Paul  
Mrs. Theodore C. Romaine  
Mrs. David Rumsey  
Mrs. William C. Riker  
Mrs. William J. Schieffelin  
Mrs. Jacob Gould Schurman  
Mrs. Harold Scott  
Mrs. Joseph Seronde, Sr.  
Mrs. George Shea, Jr.  
Mrs. Frederick Sheffield  
Mrs. Lansing P. Shield  
Mrs. Herbert J. Smith  
Mrs. James McB. Webster  
Mrs. Joseph W. Welsh  
Mrs. Walter G. Young  
Mrs. Harold A. Zintel

## **Friends of St. Luke's**

Mrs. Victor Arvistray  
Mrs. Adolf Axelrath  
Mrs. Gilman D. Blake  
Mrs. Hope Coburn  
Mrs. D. Robert Cumming  
Miss Constance Cutler  
Mrs. Hilda Gelabert  
Mrs. George M. Goodwin  
Mrs. Albert C. Herring  
Mrs. Jed H. Irvine  
Mrs. S. J. Isaacson  
Miss M. Adeline Knapp  
Mrs. M. A. Koether  
Mrs. Eugene Lada-Mocarski  
Mrs. Leslie G. Lithgow  
Mrs. William F. MacFee  
Mrs. Ernest R. Mantius  
Mrs. John B. Marsh  
Mrs. Edward J. McGrew  
Mrs. Ellis M. Moore  
Mrs. Frederick M. Morris  
Miss Helen E. Musson  
Mrs. Robert G. Page  
Mrs. John C. Pemberton  
Mrs. Donald B. Percy  
Mrs. D. Paul Reed  
Mrs. Schuyler Van Vechten  
Mrs. Robert H. White

## Assistant Board/Woman's Hospital

### Officers

*Honorary Chairman:*  
Mrs. Walbridge S. Taft  
*Chairman:*  
Mrs. Clendenin J. Ryan  
*1st Vice-Chairman:*  
Mrs. John McN. Sullivan  
*2nd Vice-Chairman:*  
Mrs. Robert McN. Smith  
*Secretary:*  
Mrs. Harold F. McGuire  
*Treasurer:*  
Mrs. John B. Aspegren

### Chairmen of Standing Committees

*Decorating:*  
Mrs. Charles M. Clark  
Mrs. John McN. Sullivan  
Mrs. Walter Rice Brewster  
Mrs. Frederic C. Peck  
*Gift Shop:*  
Mrs. Frank MacLear  
Mrs. William Shields, Jr.  
Mrs. Douglas M. Black  
*Housekeeping:*  
Mrs. Walter Rice Brewster  
Mrs. John B. Aspegren  
Mrs. George Grant Snowden, Jr.  
Mrs. Thomas A. Ennis  
*Library:*  
Mrs. Harold F. McGuire  
*Nominating Committee:*  
Mrs. Walbridge S. Taft  
*Nursing:*  
Mrs. Harold F. McGuire  
Mrs. Montague H. Hackett, Jr.  
*Social Service:*  
Mrs. T. P. Dixon  
Mrs. Peter Iselin  
Mrs. Howard B. Dean  
Mrs. John H. Baker  
Mrs. Ian G. Van Praagh  
*Special Events:*  
Mrs. John McN. Sullivan  
*United Hospital Fund:*  
Mrs. Walbridge S. Taft  
Mrs. Douglas M. Black  
Mrs. Frederic C. Peck  
Mrs. L. Stoddard Horn

### Representatives on St. Luke's Committees

*Budget and Personnel:*  
Mrs. John S. Burke, Jr.  
*Building Committee:*  
Mrs. John S. Burke, Jr.  
Mrs. Clendenin J. Ryan  
Mrs. John B. Aspegren  
*Executive Committee:*  
Mrs. John S. Burke, Jr.

### Active Members:

Mrs. John P. Aspegren  
Mrs. John H. Baker  
Mrs. Douglas M. Black  
Mrs. Walter Rice Brewster  
Mrs. Mellon Bruce  
Mrs. John S. Burke, Jr.  
Mrs. Charles Martin Clark  
Mrs. George C. deKay  
Mrs. Thomas A. Ennis  
Mrs. Montague H. Hackett, Jr.  
Mrs. L. Stoddard Horn  
Mrs. Peter Iselin  
Mrs. Frank MacLear  
Mrs. Hunter S. Marston  
Mrs. Edgar L. Marston, II  
Mrs. Harold F. McGuire  
Mrs. Harold Ruckman Mixsell  
Mrs. Frederic C. Peck  
Mrs. Clendenin J. Ryan  
Mrs. William Shields, Jr.  
Mrs. Robert McN. Smith  
Mrs. George Grant Snowden  
Mrs. John McN. Sullivan  
Mrs. Walbridge S. Taft  
Mrs. Ian Van Praagh

### Honorary

Mrs. Theodore Abel  
Mrs. Russell B. Aitken  
Mrs. George Whitney Martin  
Mrs. T. Thorne McLane

## Medical Board

### Officers

#### *President:*

Myron Wright

#### *Vice President:*

Robert W. Fraser, Jr.

#### *Secretary:*

Edward M. Winant

### Members

Alexander E. W. Ada

Charles G. Adsit, Jr.

Albert H. Aldridge

Luis A. Amill

Orrin E. Anderson

Eugene R. Ball, D.D.S.

Benjamin H. Balser

Leslie P. Barker

Irving Beckwith

Robert S. Beekman

Charles F. Begg

A. L. Loomis Bell, Jr.

Richard J. Bellucci

G. Gordon Bemis

John F. Bertles

Charles R. Blair

Louis F. Blancato

Charles K. Bogoshian

Peter A. Bossart

David M. Bosworth

William O. Buell

G. Edgar Burford

Alexander Caemmerer

Haig Carapetyan

Malcolm W. Carr, D.D.S.

Anthony S. Caruso, D.D.S.

Robert B. Case

Gilbert R. Cherrick

Edward P. Childs

Graham Clark

Mather Cleveland

G. Jarvis Coffin

John M. Cotton

Ruth J. Cudmore

Frank J. Curran

Donald Dallas

Harold W. K. Dargeon

Arthur M. Davids

\*Mr. Charles W. Davidson

Hugh C. Davidson, Jr.

Joshua W. Davies

John S. Davis, Jr.

Clayton R. DeHaan

George Dermksian

Edward J. Donovan

John W. Draper

J. Frederick Eagle, Jr.

Robert T. Edmunds

Harry Eggers

William Epstein

A. Reginald Everett

Francis J. Faggella, D.D.S.

Waldo Farnum

James A. Feltman

William Ferderber, D.D.S.

J. William Fielding

Nathaniel Finby

Hugh F. Fitzpatrick

Robert W. Fraser, Jr.

Francis G. Geer

C. Louis Gilbert

Maurice F. Goodbody

Louis G. Haase, D.D.S.

\*Mr. F. Dennis Harrington

Sami A. Hashim

Graham G. Hawks

Samuel D. Hemley

Herbert F. Hempel

Albert C. Herring

Reginald A. Higgons

John G. Hill

James G. Hilton

Elizabeth B. Hinckley

Walter Hipp

Eugene L. Hoch

Peter R. Holt

Frederick C. Hunt

Leonard L. Hyams

Jed H. Irvine

\*By Invitation

Herbert F. Jackson  
 Carl T. Javert  
 F. Elmer Johnson  
 Ira S. Jones  
 Oswald R. Jones  
 Virginia Kanick  
 John H. Keating, Jr.  
 Richard P. Keating  
 James C. Kirkbright  
 Richard D. Kittredge  
 Henriette Klein  
 Emanuel Klempner  
 W. Graham Knox  
 Juan Larralde  
 Van Peter Latsey  
 Russell W. Lavengood, Jr.  
 Leonard M. Liegner  
 Catherine Lodyjensky  
 Earl L. Loomis  
 David M. MacDonald  
 William F. MacFee  
 Locke L. MacKenzie  
 Thomas J. Mackie  
 James P. Marr  
 Ashby G. Martin  
 Robert McClanahan  
 Colin W. McCord  
 Duncan R. McCuaig  
 Victor C. McCuaig  
 Margaret H. McKee  
 John M. McKinney  
 Paul C. Morton  
 Leon Motyloff  
 E. Eugene Mullen  
 Arthur J. Murphy  
 Bernard N. Nathanson  
 Joseph N. Nathanson  
 William S. Norton, II  
 Carl S. Oakman  
 Norman N. Ostrov  
 Bernard L. Pacella  
 Herbert Parsons  
 Luis R. Perelman  
 Constantine Photos  
 William J. Pyles  
 Harry Reiss  
 Elise L. Renning

Henry G. Rieger, D.D.S.  
 Nelson B. Sackett  
 Charles F. Schetlin  
 Fred J. Schilling  
 Miles J. Schwartz  
 James R. Scott  
 Edward J. Sivigny  
 Craig N. Smith  
 Frank E. Smith, Jr.  
 Maxcy Jean Smith  
 Robert F. Solley  
 Patricia E. Spier  
 Edward Stanley-Brown  
 Richard B. Stark  
 Stuart S. Stevenson  
 Hilton H. Stothers  
 Edward Stroh, D.D.S.  
 John A. Taylor  
 Samuel F. Thomas  
 Frederick R. Thompson  
 Harold M. M. Tovell  
 Aino Tuul  
 Theodore B. Van Itallie  
 Esther M. Ward  
 Elizabeth Watkins  
 F. Stafford Wearn  
 Howard K. Weisberg  
 John P. West  
 Doris L. Wethers  
 Stanley Whitfield  
 Aubrey L. Whittemore, Jr.  
 Jerry Wiener  
 Leo F. J. Wilking, Jr.  
 Charles P. Wilson  
 Hudson Wilson  
 Edward M. Winant  
 Myron Wright  
 Alexander W. Young, Jr.  
 Shyh-Jong Yue  
 Harold A. Zintel

## Standing Committees of the Medical Board — 1968

### Executive Committee

Myron Wright, *Chairman*  
Charles F. Begg  
Charles Bogoshian  
Edward P. Childs  
Graham G. Hawks  
F. Graham Knox  
Elise L. Renning  
Stuart S. Stevenson  
Edward Stroh  
Frederick R. Thompson  
Harold M. M. Tovell  
Theodore B. Van Itallie  
Elizabeth B. Watkins  
F. Stafford Wearn  
Leo F. J. Wilking, Jr.  
Harold A. Zintel

### Ex-Officio

Robert W. Fraser, Jr.  
Edward M. Winant  
\*Mr. Charles W. Davidson

### Nominating Committee

Stuart S. Stevenson, *Chairman*  
Haig Carapetyan  
John W. Draper

### Committee on Blood Transfusion and Solutions

Hugh F. Fitzpatrick, *Chairman*  
Luis A. Amill  
John F. Bertles  
James G. Hilton  
Graham G. Hawks  
Russell W. Lavengood, Jr.  
\*Mr. Albert DeNatale  
(Administrative Director,  
Blood Bank)

### Committee on By-Laws and Rules and Regulations

Edward P. Childs, *Chairman*  
A. L. Loomis Bell, Jr.  
Haig Carapetyan  
John M. Cotton  
Paul C. Morton  
William S. Norton, II

Theodore B. Van Itallie  
John P. West  
Edward M. Winant

### Committee on Diets

C. Louis Gilbert, *Chairman*  
Gilbert R. Cherrick  
Hugh C. Davidson, Jr.  
Sami A. Hashim  
Peter R. Holt  
Elise L. Renning  
F. Stafford Wearn  
\*William H. Sebrell, Jr.  
\*Mr. Dennis Harrington  
\*Mr. George O'Leary  
(Director, Food Service)

### Committee on Interns and Residents

Robert S. Beekman, *Chairman*  
Benjamin H. Balser  
George Dermksian  
George G. Hawks  
Russell W. Lavengood, Jr.  
Edward Stanley-Brown  
Howard K. Weisberg  
Doris L. Wethers  
\*Mr. Dennis Harrington

### Joint Conference Committee

Robert W. Fraser, Jr.  
William S. Norton, II  
Stuart S. Stevenson  
Harold M. M. Tovell  
Theodore B. Van Itallie  
Myron Wright  
Harold A. Zintel

Mr. F. Huntington Babcock  
Mr. W. Macy Chamberlin  
Mr. Jarvis Cromwell  
Mr. Daniel P. Davison  
Mr. Henry B. Guthrie  
Mr. Van R. Halsey  
Mr. Clarence G. Michalis  
Mr. A. Varick Stout  
Mr. Charles W. Davidson

\*By Invitation

### **Committee on Medical Records and Library**

F. Stafford Wearn, *Chairman*  
 Eugene R. Ball, D.D.S.  
 Clayton DeHaan  
 Francis G. Geer  
 Eugene L. Hoch  
 Leonard L. Hyams  
 David M. MacDonald  
 Aubrey L. Whittemore  
 Hudson J. Wilson  
 \*Mrs. Rachael Ambruoso  
   (Medical Librarian)  
 \*Mr. Dennis Harrington  
 \*Mr. Gary Gambuti  
 \*Miss A. Rose Taddonio  
   (Medical Records Librarian)  
 \*Miss Evelyn Peck  
   (Director, Nursing Service)

### **Committee on Nursing**

Charles G. Adsit, *Chairman*  
 William O. Buell  
 Robert Edmunds  
 Robert McClanahan  
 Colin W. McCord  
 E. Eugene Mullen  
 Harry Reiss  
 Miles J. Schwartz  
 Elizabeth B. Watkins  
 \*Robert E. McCabe, Jr.  
 \*Mrs. Frances Avella  
   (Director, School of Nursing)

### **Committee on Out-Patients Department**

W. Graham Knox, *Chairman*  
 Hugh C. Davidson, Jr.  
 Maurice F. Goodbody  
 Richard D. Kittredge  
 David M. MacDonald  
 Edward G. Stanley-Brown  
 Edward Stroh, D.D.S.  
 Elizabeth B. Watkins  
 Stanley Whitfield  
 \*Alexander W. Young, Jr.  
 \*John S. Aldridge  
 \*Paul Torrens  
 \*Robert E. Zickel  
 \*Mr. Gary Gambuti

\*Mr. Edward Megerian  
   (Director-Admissions)  
 \*Miss Dorothy Wild  
   (OPD-Director)

### **Committee on Pharmacy and Formulary**

Charles G. Adsit, *Chairman*  
 Haig Carapetyan  
 Graham Clark  
 George Dermksian  
 James A. Feltman  
 \*Michael G. Grieco  
 James G. Hilton  
 Jed H. Irvine  
 Carl S. Oakman  
 Samuel F. Thomas  
 Aino Tuul  
 Doris L. Wethers  
 Alexander W. Young, Jr.  
 \*Mr. Dennis Harrington  
 \*Mr. Gary Gambuti  
 \*Mr. Hugo deCaprariis  
   (Chief Pharmacist)

### **Committee on Private Patients and Courtesy List**

Francis G. Geer, *Chairman*  
 A. Reginald Everett  
 J. William Fielding  
 Earl A. Loomis  
 Carl S. Oakman  
 Leo F. J. Wilking, Jr.  
 \*Mr. Dennis Harrington

## **SPECIAL COMMITTEES**

### **Committee on Animal Care**

Charles F. Begg, *Chairman*  
 John W. Draper  
 Hugh F. Fitzpatrick  
 James G. Hilton

### **Archives Committee**

Richard B. Stark, *Chairman*  
 Luis A. Amill  
 George E. Burford  
 John H. Keating, Jr.  
 Duncan R. McCuaig  
 Paul C. Morton  
 Hilton H. Stothers  
 \*Mr. Dennis Harrington  
 \*By Invitation

## Special Committees

### **Committee on Management of Communicable Diseases and Infection Control**

Harold A. Zintel, *Chairman*

Charles F. Begg

Charles K. Bogoshian

Donald P. Dallas

Elise L. Renning

Stuart S. Stevenson

\*Victor Bokkenheuser  
(Bacteriologist & Microbiologist)

\*Michael H. Grieco

\*Mr. Dennis Harrington

\*Miss Dorothy Reardon  
(Supervisor, Nursing Service)

\*Miss Evelyn Peck  
(Director, Nursing Service)

### **Disaster Committee**

Robert Edmunds, *Chairman*

Donald P. Dallas

J. William Fielding

Stanley Whitfield

\*Errol N. Harding

\*Mr. Salvador Caruana  
(Supt. Plant & Maint.)

\*Mr. Hugo deCapariis  
(Chief Pharmacist)

\*Mr. Dennis Harrington

\*Mr. Gary Gambuti

\*Miss Evelyn Peck  
(Director, Nursing Service)

\*Miss Lorraine Sudol  
(Supervisor-Surgery)

### **Medical Advisory Committee to the Home Care Program**

Carl S. Oakman, *Chairman*

Charles K. Bogoshian

J. William Fielding

Shyh-Jong Yue

\*Paul R. Torrents

Miss Louise Candland  
(Coordinator Home Care Program)

### **Intensive Care Unit**

\*\*Hugh F. Fitzpatrick, *Chairman*  
Louis S. Blancato

\*\*A. L. Loomis Bell, Jr.  
Edward P. Childs  
Colin McCord

\*Robert W. Schick

Stanley Whitfield

\*Mr. Dennis Harrington

\*Miss Evelyn Peck  
(Director, Nursing Service)

### **Laboratory Committee**

Charles F. Begg, *Chairman*

Maurice F. Goodbody

W. Graham Knox

### **Medical Audit Committee**

John H. Keating, Jr., *Chairman*

Louis S. Blancato

Edward J. Sivigny

Edward G. Stanley-Brown

### **Committee on Morningside House**

Francis G. Geer, *Chairman*

James A. Feltman

Hugh F. Fitzpatrick

### **Operating Room Committee**

Harold A. Zintel, *Chairman*

Louis S. Blancato

Graham Clark

John W. Draper

Edward Stroh, D.D.S.

Frederick R. Thompson

Harold M. M. Tovell

John P. West

Stanley Whitfield

\*Mr. Dennis Harrington

\*Miss Evelyn Peck  
(Director, Nursing Service)

\*Miss Hilda Pereira  
(Supervisor, Operating Rooms)

\*Mrs. Averill Lawrence  
(O.R. Woman's Hosp.)

### **Patients Safety Committee**

Miles J. Schwartz, *Chairman*

Elise L. Renning

Hudson J. Wilson

\*Mr. Dennis Harrington

\*Mr. Gary Gambuti

\*Miss Evelyn Peck  
(Director, Nursing Service)

\*Miss Ruth Dietz  
(Supervisor, Nursing Service)

### **Committee on Physical Medicine**

Edward M. Winant, *Chairman*

Peter A. Bossart

\*Robert S. Graham

Jed H. Irvine

Richard B. Stark

Hudson J. Wilson

\*By Invitation

\*\*As representatives of their respective  
Directors Service



### **Committee on Private Practice Offices**

John M. Cotton, *Chairman*

A. L. Loomis Bell, Jr.

Charles R. Blair

Edward J. Sivigny

Elizabeth B. Watkins

\*Ian C. Van Praagh

\*Edward H. Reisner, Jr.

\*Mr. Gary Gambuti

### **Joint Committee For Professional Care Columbia University Health Center**

C. Louis Gilbert, *Chairman*

James A. Feltman

David M. MacDonald

\*John A. Milici

Charles F. Schetlin

*Representing Columbia University:*

Dean John Alexander

Mr. Harold E. Lowe

### **Committee on Public Relations**

Robert S. Beekman, *Chairman*

Edward J. Sivigny

Hilton H. Stothers

\*Mr. James May

### **Radio-Isotope Committee**

Richard P. Keating, *Chairman*

Charles F. Begg

John F. Bertles

Nathaniel Finby

Virginia Kanick

Leonard M. Liegner

Harold M. M. Tovell

\*Richard N. Pierson, Jr.

\*Mr. Morris Hodara, *Physicist*

### **Committee on Study and Planning**

William S. Norton, II

Robert S. Beekman

Edward P. Childs

John M. Cotton

Robert Graham

Carl S. Oakman

Edward J. Sivigny

Richard B. Stark

Theodore B. Van Itallie

John P. West

\*Mr. Charles W. Davidson

\*Mr. Ralph Williams

### **Committee on Teaching Affiliation with College of Physicians and Surgeons**

Edward P. Childs

John M. Cotton

Stuart S. Stevenson

Harold M. M. Tovell

Theodore B. Van Itallie

Harold A. Zintel

*Representing Columbia University:*

Stanley E. Bradley

Edward C. Curren, Jr.

George H. Humphreys II

J. George Moore

George A. Perera

H. Houston Merritt, *ex-Officio*

### **Committee on Therapeutic Abortion**

Harold M. M. Tovell, *Chairman*

John M. Cotton

Theodore B. Van Itallie

### **Tissue Committee**

Charles F. Begg, *Chairman*

Robert Edmunds

Edward J. Sivigny

Richard B. Stark

### **Tumor Committee**

Leonard M. Liegner, *Chairman*

Charles F. Begg

John F. Bertles

Harold W. K. Dargeon

Robert Edmunds

Nathaniel Finby

Duncan R. McCuaig

Norman N. Ostrov

Charles F. Schetlin

Harold M. M. Tovell

\*John S. Aldridge

\*Edward H. Reisner, Jr.

\*By Invitation

### **Committee on Utilization Review**

Robert W. Fraser, Jr., *Chairman*  
William J. Athos  
Charles R. Blair  
John M. Cotton  
Hugh F. Fitzpatrick  
Francis G. Geer  
Norman A. Hill  
Russell W. Lavengood, Jr.  
David M. MacDonald  
Henry J. Magliato  
Craig N. Smith  
Stuart S. Stevenson  
Edward Stroh, D.D.S.  
Stanley Whitfield  
Edward M. Winant

\*Mr. Gary Gambuti

\*Mr. Dennis Harrington

\*Miss Louise Candland

\*Miss Margaret Page

### **Joint Research Review Committee**

Charles F. Begg  
Edward P. Childs  
John M. Cotton  
Robert W. Fraser, Jr.  
Richard B. Stark  
Stuart S. Stevenson  
Harold M. M. Tovell  
Theodore B. Van Itallie  
Myron Wright  
Harold A. Zintel

Mr. Charles W. Davidson  
Frederic W. Nordsiek, Ph.D.  
*(Director of Grants Management and  
Coordinator of Research Program)*

\*Miss Barbara Belmer  
*Grants Management Supervisor*  
*Three members of the  
Board of Trustees*

#### **Consultants:**

Robert E. Cooke  
*Johns Hopkins Hospital*  
Leon Israel  
*Univ. of Pennsylvania Hospital*  
Francis D. Moore  
*Peter Bent Brigham Hospital*  
George W. Thorn  
*Peter Bent Brigham Hospital*

\*By Invitation

## Administrative Staff — 1968

### *Executive Director:*

Charles W. Davidson, B.A., C.P.A.

### *Associate Director for Construction Maintenance and Planning:*

Carl P. Wright, Jr., A.B.<sup>(1)</sup>

Ralph Williams, B.S.<sup>(2)</sup>

### *Associate Director*

#### *for Business Services:*

Robert J. McMillen, B.A.

#### *Associate Director*

#### *for Patient Services:*

F. Dennis Harrington, B.S., M.S.

#### *Associate Director*

#### *for Community Services:*

Gary Gambuti, B.A., M.A.

#### *Assistant Directors:*

Mary R. Meehan, R.N., B.S., M.A.

Arthur R. Slothower, B.S.

#### *Assistant Director and*

#### *Director of Nursing Service:*

Evelyn M. Peck, R.N., A.S., M.A.

#### *Administrative Assistant:*

Erwin O. Blair

#### *Comptroller:*

Daniel Triglia, B.B.A.

#### *Director of Admissions:*

Edward J. Megerian, B.A.

#### *Administrative Director, Blood Bank:*

Albert DeNatale, Ph.G., Ph.C.

#### *Director of Data Processing:*

Paul Nazaruk

#### *Director of Food Service:*

George O'Leary

#### *Director of Grants*

#### *Management & Coordinator of Research:*

C. Glen King, Ph.D.<sup>(3)</sup>

Frederic W. Nordsiek, Ph.D.<sup>(4)</sup>

#### *Home Care Coordinator:*

Louise B. Candland, R.N.

#### *Executive Housekeeper:*

Edward L. Dotter<sup>(5)</sup>

John J. Fitzgerald<sup>(6)</sup>

#### *Laundry Manager:*

Frank Sepkowski

#### *Medical Librarian:*

Mrs. Rachael Ambruoso, B.A.<sup>(7)</sup>

Mrs. Joanne Young, B.S., M.S.L.S.<sup>(8)</sup>

#### *Medical Record Librarian:*

A. Rose Taddonio, R.R.L.

#### *Director of Out-Patient Department:*

Dorothy Wild, R.N.

### *Personnel Director:*

Richard DeChristoford, B.A., M.A.

### *Chief Pharmacist:*

Hugo V. deCaprariis, B.S., Pharm.

### *Chief Medical Photographer:*

Thomas Wood

### *Superintendent of Engineering Maintenance:*

Salvador A. Caruana

### *Director of Public Relations and Development:*

James P. May, B.A.

### *Director of Purchasing:*

Lewis Keheley

### *Director of School of Nursing:*

Miss Ruth Dittmar, B.A., R.N., M.A., M.S.

### *Consultant to the School of Nursing:*

Frances Lee Avella, R.N., B.S., M.A.

### *Director of Security:*

Inspector John J. O'Neill

### *Director of Social Service:*

Margaret Rouillion, R.N., B.S., M.A.

### *Supervisor of Sterile Supply:*

Helen Zelezniak, R.N.

### *Chief Telephone Operator:*

Mrs. Katherine E. Beers

### *Director of Volunteer Service:*

Dorothy R. Rader, B.S.

## Department of Religious Service

### *Director and Chaplain:*

The Rev. Carleton J. Sweetser, B.A., S.T.B.

### *Associate Chaplains:*

The Rev. James C. Walworth, B.A.

The Rev. Alvin V. P. Hart, B.A., S.T.B.

The Rev. C. Leland Udell, B.A.

<sup>(1)</sup> Retired 3/1/68

<sup>(2)</sup> As of 3/5/68

<sup>(3)</sup> Resigned 12/31/67

<sup>(4)</sup> As of 1/1/68

<sup>(5)</sup> Deceased, April 29, 1968

<sup>(6)</sup> As of 5/6/68

<sup>(7)</sup> Resigned 8/2/68

<sup>(8)</sup> As of August 19, 1968

# Hospital Volunteers

Acevedo, Miss Mary  
 Ada, Mrs. Alexander  
 Alexander, Mrs. Tannis  
 Andrew, Mr. Clifford  
 Arant, Mr. Robert  
 Armstrong, Mrs. deGiers  
 Arnold, Mrs. Adelaide  
 Avery, Miss Patricia  
 Badeau, Mrs. John S.  
 Bailey, Miss Harriet  
 Baker, Mrs. John H.  
 Baker, Miss Kathryn  
 Banks, Mrs. Raymond  
 Banks, Mrs. William  
 Barjou, Mrs. Henry  
 Barron, Miss Grace  
 Bartholet, Mrs. Max  
 Basset, Miss Elsie  
 Bauer, Miss Louise  
 Belknap, Mr. Steven  
 Bell, Mrs. A. L. Loomis  
 Benari, Mr. Michael  
 Biglow, Miss Anne  
 Black, Miss Virginia  
 Bodansky, Mr. Moses  
 Boehmer-Pine, Mr. Hugo  
 Bokkenheuser, Mrs. Victor  
 Bookwalter, Miss Cordelia  
 Booth, Mrs. Mary  
 Boraks, Mr. Jeffrey  
 Boubnoff, Mr. Nicholas  
 Boyd, Miss Isabelle  
 \*Brienza, Mrs. Clara  
 Bright, Mrs. Edwin W.  
 Brodt, Miss Amy  
 Brown, Mr. Elihu T.  
 Browning, Miss Adele  
 Burford, Mrs. George E.  
 Burke, Mrs. Russell  
 Burns, Mrs. Arthur  
 Buschi, Mr. Feliciano  
 Butler, Mrs. Robert  
 Cabrera, Miss Borinquen  
 Campbell, Miss Kathleen  
 Canda, Miss Catherine B.

Candelaria, Miss Lillian  
 Cantelmo, Miss Nancy  
 Carey, Miss Julia  
 Carroll, Miss Marguerite  
 Carstens, Miss Jane  
 Carter, Miss Susie  
 Case, Mrs. Winthrop  
 Castillo, Mr. Joseph  
 Chamberlain, Mrs. Lawrence  
 Chambers, Mrs. Douglas  
 Clark, Miss Edythe S.  
 Clarke, Mrs. Jeremiah  
 Coleman, Mrs. Simmons  
 Colkos, Mrs. Frank  
 Collins, Miss Eileen  
 Colon, Miss Lidia  
 Comblez, Miss Diana  
 Concepcion, Miss Yolanda  
 Conn, Miss Deborah  
 Connor, Mrs. Elise  
 Contiguglia, Mr. Joseph  
 Cook, Mrs. Donald  
 Cora, Miss Rosemary  
 Cuadro, Mr. Michael  
 Cutler, Miss Constance  
 Dahlquist, Mrs. Reta  
 Dalton, Mr. John  
 Darling, Miss Shirley  
 Davidson, Mrs. Charles  
 Davidson, Mrs. William F.  
 Davis, Miss Darlene  
 Davis, Miss Ellen C.  
 Davis, Mr. Jeffrey  
 Debes, Mr. and Mrs. Peter  
 Debler, Mrs. Emil  
 De Castro, Mr. Dalton  
 Dell 'Edera, Mrs. John  
 Demeny, Miss Marion  
 Dennis, Miss Linda  
 Djurdjinovic, Miss Luba  
 Dodd, Dr. and Mrs. David  
 Douglas, Mrs. Barclay  
 Edgerton, Mrs. Glenn  
 Elman, Mrs. Robert  
 Evans, Mrs. Carla

Ewald, Mr. Edwin  
 Farber, Mrs. B. A.  
 Farquhar, Miss Dorcas  
 Fernandez, Miss Oliveta  
 Fitzgerald, Miss Mary  
 Fitzpatrick, Mrs. Hugh  
 Flores, Miss Judith  
 Fowlkes, Mrs. George A.  
 Fowlkes, Mrs. James Winsto  
 Fretz, Mrs. Alfred  
 Fuller, Mrs. Reginald H.  
 Funghini, Miss Elizabeth  
 Funghini, Miss Renata  
 Furey, Mrs. Ralph  
 Gaccione, Mrs. Anthony  
 Garcia, Mr. Sixto  
 Gaster, Miss Corinna  
 Gerdine, Miss Naomi  
 Gibson, Miss Nivia  
 Gilbert, Mrs. Charles H.  
 Gilbert, Mrs. C. Louis  
 Gilpatric, Mrs. Margaret  
 Ginsburg, Mrs. Michael  
 Ginzberg, Mrs. Eli  
 Gold, Mr. Hank  
 Gonzalez, Miss Enid  
 Good, Mr. Jeffrey  
 Grandusky, Mr. Gary  
 Grant, Mrs. Wheadon  
 Green, Miss Valerie  
 Greene, Mrs. Irene  
 Grisanzio, Mr. Joseph  
 Grubman, Miss Rita  
 Guinsbourg, Mr. George  
 Guthrie, Mrs. Jo Carol  
 Guthrie, Mrs. Randolph H.  
 Gutin, Mr. Charles  
 Hacken, Mrs. George  
 Halford, Mrs. Ralph  
 Hance, Mrs. William A.  
 Hankins, Miss Marion  
 Hans, Mr. Alan  
 Harnick, Mrs. Jay  
 Harnick, Mrs. Sheldon  
 Harris, Miss Betty

- Harvin, Miss Henrietta  
 Haycox, Mrs. Olive  
 Henderson, Miss Gloria  
 Herdman, Mrs. Marion  
 Herman, Miss Patricia  
 Herold, Mrs. Albert  
 Hicks, Mrs. Mary  
 Hitchcock, Miss Catherine  
 Holmes, Mrs. Winifred  
 Horn, Miss Thelma  
 Howe, Mrs. Frank R.  
 Hoyt, Miss Gertrude  
 Huang, Miss Donna  
 \*Hulswit, Mrs. Fred  
 Hunt, Miss Jane  
 Hurley, Mrs. Horace  
 Jackson, Mr. Henry  
 James, Miss Margaret  
 Jansky, Miss Theresa  
 Jenkins, Miss Mary  
 Jones, Miss Linda  
 Josephs, Mrs. Eleanor  
 Kagan, Miss Dona  
 Kagen, Mrs. Fanny  
 Kaler, Miss Gertrude  
 Kaplan, Miss Ellen  
 Kaskell, Mrs. Joseph  
 Keane, Mrs. Christopher  
 Kelley, Mrs. Wilbur R.  
 Kelly, Miss Anne  
 Kennedy, Mr. Robert  
 Kerr, Mrs. William K.  
 Keyser, Mrs. Cassius  
 Kieffer, Miss Clara  
 Kirrene, Mrs. Michael  
 Klein, Mr. Gordon  
 Knapp, Miss Adeline  
 Kochman, Mrs. Richard  
 Kogler, Mrs. George  
 Koldin, Mr. Malcolm  
 Kuttler, Miss Marie  
 Lam, Mr. Steven  
 Lane, Mr. Michael  
 Lawford, Mrs. Geoffrey  
 Leeming, Mr. Leonard B.  
 Lindsay, Miss Margaret  
 Linker, Miss Rose  
 Lins, Mrs. John P.  
 Lippincott, Miss Clara  
 Lobo, Mrs. Mario  
 Ludwig, Mrs. Carl  
 MacCracken, Mrs. Calvin  
 MacDonald, Miss Agnes  
 Mallett, Mr. Grant  
 Maloney, Mrs. Milton  
 Marshall, Mrs. Betty  
 Martin, Miss Susan  
 Marwell, Miss Marianna  
 Matossian, Miss Armen  
 Matthews, Miss Grace  
 Mattingly, Mrs. Garrett  
 McCormack, Mrs. Charles  
 McCoun, Mrs. Robert  
 McCray, Miss Deborah  
 McGuire, Mrs. Constance  
 McGuire, Mrs. Harold  
 Mead, Miss Katharine  
 Medl, Mrs. William  
 Miles, Mrs. Josie  
 Milic, Miss Barbara  
 Miller, Mr. Osborn M.  
 Mills, Mrs. Cornelia  
 Mintz, Mrs. Nathan  
 Moffett, Mrs. Yolanda  
 Mohammed, Mrs. Cindy  
 Moley, Mrs. Malcolm  
 Mooney, Mrs. Lawrence  
 Morales, Miss Evelyn  
 Morello, Miss Lorca  
 Morgan, Mr. Charles, Jr.  
 Morrison, Miss Leslie  
 Mosso, Miss Alliene  
 Mullen, Mr. Joseph  
 Mulvihill, Miss Katherine  
 Navarrette, Mr. Antonio  
 Navedo, Miss Betty Rose  
 Neri, Miss Velia  
 Nickerson, Miss Claudette  
 Nikola, Miss Minnie  
 Nobis, Miss Mildred  
 Norfleet, Mr. Norris  
 Norton, Mrs. William  
 Oakman, Mrs. Carl  
 Oen, Miss Margaret  
 O'Neal, Mrs. John  
 O'Shaughnessy, Miss Mabel  
 Palacios, Mr. Louis  
 Paneth, Mr. Nigel  
 Pearl, Mr. Richard  
 Pick, Mrs. Olga  
 Pise, Miss Eleanor M.  
 Polk, Miss Estelle  
 Price, Miss Cecelia  
 Putignano, Mrs. Joseph  
 Randle, Miss Gertrude  
 Rasmus, Miss Elmira  
 Rau, Mrs. Otto  
 Reed, Mrs. Paul  
 Reid, Miss Constancia  
 Reid, Miss Vilma  
 Reigger, Miss Ruth  
 Ricci, Mr. Russell  
 Riseman, Miss Lesley  
 Rivera, Miss Edna  
 Rivera, Miss Lydia  
 Rivera, Miss Maria  
 Roberts, Mrs. Alfred  
 Robinson, Miss Mary  
 Robinson, Miss Patricia  
 Robles, Miss Jean  
 Rodgers, Mrs. Cornelius  
 Rodriguez, Miss Martha  
 Rollinson, Miss Ethel A.  
 Romanoff, Mrs. Paul  
 Ros, Mrs. Peter  
 Ros, Mrs. Salvador  
 Rouse, Mrs. Merl  
 Rubin, Mrs. Hermine  
 Ryan, Mrs. Clendenin  
 Sadtler, Miss Mary  
 Salmen, Mrs. Stanley  
 Saltus, Mrs. Ethel  
 Salzberg, Mrs. Paul  
 Sanborn, Miss Mildred L.  
 Sanford, Mrs. Hugh

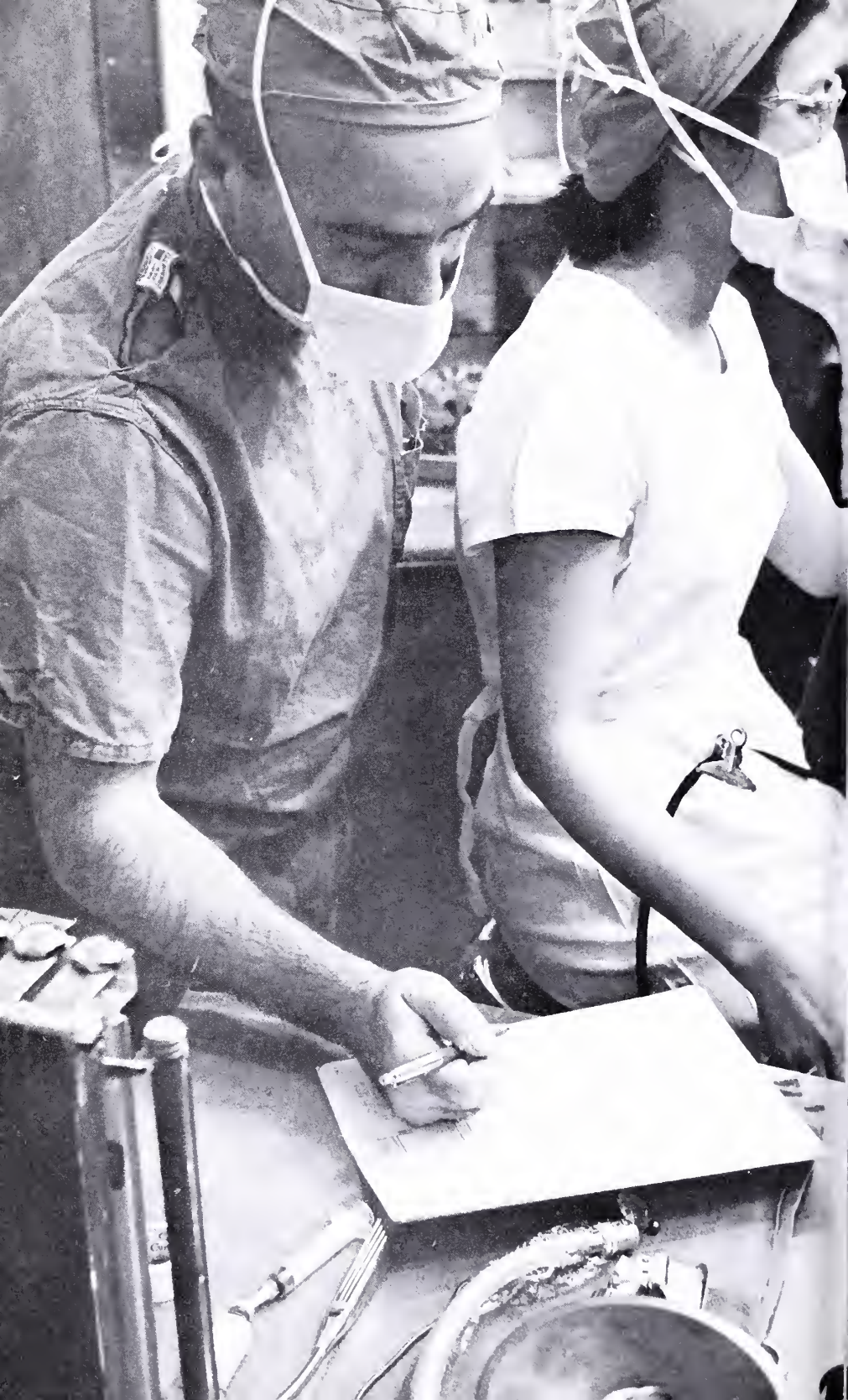
Sargent, Mrs. Charles F.  
 Sayer, Mrs. Dennis  
 Schachner, Mr. Jack  
 \*Schaul, Mr. Jerome S.  
 Schenck, Mrs. Miriam  
 Schetlin, Mrs. Charles  
 Schmieder, Miss Linda  
 Schoenherr, Mrs. Ann  
 Schroeder, Miss Matilda  
 Schuz, Mr. Ludwig  
 Schwer, Miss Judith  
 Scott, Mr. Jay  
 Searcy, Miss Catherine  
 Senegas, Mrs. Gabrielle  
 Serano, Miss Nydia  
 Shand, Mrs. R. Gordon  
 Shariff, Mr. Rafique  
 Shields, Miss Mary S.  
 Shields, Mrs. William Jr.  
 Shimomura, Mrs. Seiichi  
 Silver, Miss Kay  
 Slater, Mr. Kenneth  
 Slothower, Mrs. Arthur  
 Smith, Miss Doris  
 Smith, Miss Frances  
 Solinger, Mr. Alan  
 \*Spear, Miss Helen  
 Sprotzer, Mr. Samuel  
 Stepick, Mrs. Richard J.  
 Stevens, Mrs. Edwin P.  
 Stitt, Miss Elsie  
 Stothers, Mrs. Hilton  
 Strassberg, Miss Sandra  
 Streeter, Mrs. John  
 Sturgis, Mrs. Lovett  
 Sykes, Miss Mabel  
 Tansill, Mrs. Duncan  
 Teitelbaum, Mr. Stuart  
 Thompson, Miss Dolores  
 Thorn, Mr. Herman  
 Thorne, Miss Mary  
 Toner, Miss Kathleen  
 Townsend, Mr. Frank  
 Trittipio, Miss Ann  
 Uhlinger, Miss Margaret

Upham, Miss Gladys  
 Upjohn, Mrs. E. M.  
 Usera, Mr. Ivan  
 Valicenti, Mrs. J. Mitchel  
 Van Itallie, Mrs. Theodore  
 Van Praagh, Mrs. Ian  
 Van Schoonhoven, Mr. Leversee  
 Van Voorhis, Miss Margaret  
 Van Wagenen, Mr. Noel  
 Vazquez, Miss Aida  
 Vega, Miss Miriam  
 Velez, Miss Janette  
 Velez, Miss Minerva  
 Vivian, Mrs. William  
 Wade, Miss Linda  
 Walker, Mr. John  
 Ward, Miss Anita  
 Ward, Miss Mary Ann  
 Webb, Mrs. Richard  
 Weldon, Mrs. Oscar  
 West, Mrs. John  
 Weyher, Mrs. Harry  
 White, Mrs. Charles  
 White, Mrs. Cleveland  
 Wiley, Miss Mabel  
 Williams, Mr. Harry  
 Williams, Mr. Lawrence  
 Winch, Miss Jacqueline  
 Wolff, Miss Brenda  
 Wong, Miss Rose  
 Wong, Miss Vivian  
 Wood, Mrs. Marguerite  
 Zayas, Mrs. Ralph  
 Zayas, Miss Sandra  
 Zizes, Miss Gay  
 Zizes, Mrs. Justin  
 Zolnay, Mrs. Vera  
 Zwibak, Mr. Steven

\*Deceased

Service Reports  
and  
Medical Staffs





# Anesthesiology

Louis S. Blancato, M.D., Director

**D**uring 1967 the department continued to provide service to the patients of St. Luke's Hospital Center. There was no significant change in statistics over previous years.

## Staff

The staff consists of ten attending anesthesiologists, ten residents, and six nurse-anesthetists. The latest addition to the attending staff is Dr. Alfred T. C. Peng. Dr. Peng joined St. Luke's as a resident in 1961. He completed two years of residency training, remained on the house staff for several years and was involved in a number of clinical projects. He passed the New York State Boards, and we are extremely delighted to have him on our staff. He is a fellow of the American College of Anesthesiologists and will be taking the oral examination of the American Board of Anesthesiology in the near future. The attending staff has seven board-certified and three board-eligible anesthesiologists. The increased demands of the Hospital Center for the services of the department make it mandatory to maintain optimal strength and ability.

Dr. Louis S. Blancato continues as treasurer of the New York State Society of Anesthesiologists. He served as chairman of the section on anesthesiology and resuscitation of the New York Academy of Medicine. He also served as a delegate from the New York State

Society of Anesthesiologists to the annual meeting of the American Society of Anesthesiologists held in Las Vegas in October. He was appointed as consultant in anesthesiology to Columbus Hospital in New York City, and he was reappointed director of anesthesia at the St. Giles Hospital, Brooklyn. Dr. Ennio Gallozzi and Dr. Blancato attended a workshop on residency training held in Chicago, sponsored by the American Society of Anesthesiology.

The department participated in the preceptorship program of the American Society of Anesthesiology. We had a third-year medical student, Stephen Rackow, from the University of Pennsylvania, who spent eight weeks on the service under the direct supervision of the attendings. The purpose of this program is to foster interest in anesthesiology by showing the medical student the many facets of anesthesia in the care of the patient. Dr. Edward Los lectured to the medical students from the College of Physicians and Surgeons who rotate through the surgical and the obstetrical services; and lectures were given to the student nurses.

The department worked with the department of surgery in several ways. Dr. Blancato delivered a talk "Lungs, Anesthesia and Disease" at a course on pre- and post-operative care of the patient given by the department of surgery in conjunction with the College of Physicians and Surgeons. Dr. Gallozzi gave a talk entitled "Oxygen, Its Use and Abuse" to the members of the Brooklyn chapter of the American College of Surgeons at their meeting held at the Hospital Center.

This year was also important for the residency training program. The program was inspected in March by a director of the American Board of Anesthesiology and the department received full approval for a three-year residency in anesthesiology. We are extremely happy with this approval because only two other non-university hospitals in the city have received such approval. We were able to accomplish this through collaboration with the cardiopulmonary laboratory of the department of medicine, and the cardiac surgery division of the department of surgery.

The department's nurse-anesthetists have become an integral part of the department providing service both in the main and Woman's operating rooms.

## Activities

During 1967 the cardiac surgery program continued to function and the anesthesia department was closely involved. It has continued its use of the technic of balanced anesthesia, which we have used since 1965 with excellent results. This cardiac program is an essential part of the third-year training of anesthesia residents. The department continued to provide twenty-four-hour physician and nurse coverage at Woman's Hospital.

The major portion of the activities of the department has been the continuation of the training program for the resident staff. Basic science lectures were given bi-weekly by members of the attending staff. Several guest speakers were invited to address the weekly department conferences. The department also conducted the weekly Journal Club, the case presentation conference and the monthly mortality and morbidity meeting. Several combined meetings were held with the departments of obstetrics and gynecology, and surgery.

As a result of a project started in 1966 by Dr. Peng and Dr. Blancato, a paper was published in the *Archives of Otolaryngology* entitled "Intravenous Lidocaine with General Anesthesia for Endoscopy". Another manuscript was accepted for publication by the same journal entitled "Intravenous Lidocaine with General Anesthesia for Laryngoscopy". The project undertaken by Dr. Gallozzi and Dr. Peng and the resident staff on the influence of maternal pH, PO<sub>2</sub> and PCO<sub>2</sub> on the fetus was continued. Dr. Gallozzi had a case report published in *Anesthesiology* entitled "Unusual Case of Laryngeal Obstruction". In the latter part of 1967, Dr. Draper and Dr. Blancato became involved in a research project on the effect of anesthetic agents on renal blood flow and renal function. This project will continue in 1968.

## Statistics

There were a total of 10,208 anesthetics administered by the anesthesia department in 1967. Of this total, 4,239 were administered to ward patients and 5,969 were private and semi-private patients. Ward patients accounted for approximately 42% of the anesthetics administered in 1967, a figure that has been relatively stable over the years.

The breakdown by department of anesthetics administered is as follows:

General Surgery .....	3,001
Urology Service .....	900
Orthopedic Service .....	874
ENT Service .....	713
Ophthalmology Service .....	284
Gynecology Service .....	2,764
Obstetric Service .....	1,673

In addition to the surgical and obstetrical anesthesia, the department provided anesthesiologic service for cardiac catheterizations on Scrymser 8, cardioversions, mostly in the intensive care unit, and for electro-convulsive therapy for the psychiatric department. The department continued its coverage and supervision of the recovery rooms, coverage of the intensive care unit; it also answered all Hospital-wide calls for cardiac arrest and comatose patients.



# Dermatology

Alexander W. Young, Jr., M.D., Director

The year 1967 saw important and extensive advances in the department of dermatology at St. Luke's Hospital Center. Under full-time direction there was an appreciable increase in the number of patients treated in the clinic, a new resident training program was formulated, research in several areas was initiated and a basis for future development was established.

## Patient Care

**Statistics:** Beginning early in 1967 and continuing throughout the year there was a steady rise in out-patient visits; from 5,307 in 1966 to 6,960 in 1967 — an increase of 23%. The number of examinations for fungi also increased to more than 200, reflecting the clinic population and the availability of the technique. Cutaneous surgery performed by residents under direct supervision of the attending staff included: 69 desiccations, 79 desiccations and curettements, 9 incisions and drainage and 73 excisions. A total of 130 skin biopsies were taken for diagnosis and routine cancer care. The number of patients with syphilis increased from 48 in 1966 to 56 in 1967; those in the primary and secondary stages made up half the number, indicating a continuing problem in the community.

Approximately 300 in-patients were seen in consultation on the semi-private and private services.

**Special Clinics:** With the help of Dr. Stuart S. Stevenson, director of pediatrics, a combined clinic for the care of skin problems in children was inaugurated, allowing an inter-disciplinary approach.

As part of the general dermatology clinic, the section on dermatogeriatrics, skin diseases of older persons, was continued under the direction of Dr. A. W. Young, Jr. This provides a facility for the study and care of the cutaneous problems of the elderly.

The Vulva Clinic: Investigation and treatment of skin conditions affecting the vulva was continued and expanded under the combined efforts of the departments of dermatology and obstetrics and gynecology. Special studies of the problems encountered are planned for the coming year.

Conferences: Clinical conferences were held on Tuesdays during the regular clinic session with the entire staff present. Rare cases or diagnostic problems were presented for discussion. A combined conference was held twice monthly with the staff of Columbia College of Physicians and Surgeons' department of dermatology at Vanderbilt Clinic. Numerous cases were prepared by the residents for presentation at the section on dermatology at the New York Academy of Medicine and other societies.

## Resident Training

The resident training program has three objectives: patient care, teaching and research.

Teaching conference: Weekly meetings are held throughout the year. The purposes are several: demonstration of "study" and current histological sections under the direction of Dr. Perry Sachs; round table discussion of newer concepts of treatment and diagnosis illustrated by color slides; evaluation and critique of research and projected problems; and special lectures such as one on dermatological problems in the Philippines delivered by Dr. Roy Stevens.

Basic science: In cooperation with the department of dermatology at Columbia College of Physicians and Surgeons, Dr. Carl T. Nelson, director, St. Luke's residents in dermatology attended courses in basic sciences. Special lectures and clinics are also offered. Seminars and papers on selected subjects are prepared by the residents.

A six week course in radiation physics and biology was given by Dr. Leonard M. Liegner, chief of the Hospital Center's division of radiotherapy. We are indeed grateful for the help Dr. Liegner has given the training program.



## Research

Research in dermatology in 1967 followed two courses: clinical investigation of specific disease and disease patterns, and basic study of possible mechanisms in pathogenesis. Added emphasis is planned in this latter category for the future.

Current Projects: The following projects are in progress:

Exfoliative Cytology of the Buccal Mucous Membranes in Dermatological Disease (Drs. A. Young, Jr. and A. Brown)

Guttate Leukoderma (Drs. A. Young, Jr. and L. Miller)

Leukocyte Abnormalities in Skin Disease (Drs. B. Johnston and R. Barbee)

Guttate Winter Eczema (Drs. A. Young, Jr. and P. Sachs)

Cutaneous Exfoliative Cytology (Drs. A. Young, Jr. and R. Barbee)

In addition cooperative studies with other departments are being surveyed:

Influence of Kreim Reagent on Lymphocyte Culture (Drs. R. Barbee, E. Reisner and A. Young, Jr.)

Total Body Count in Skin Disease (Drs. R. Pierson and A. Young, Jr.)

Use of the Dermatogeriatric Index in Hospitalized Patients (Staff).

## Staff Activities

Dr. Valentine C. Baker, now residing at Ballston Spa, New York, attends the dermatology clinic monthly as a consultant.

Dr. Leslie P. Barker continues teaching residents (cutaneous surgery) and was president of the New York Dermatological Society.

Dr. Herbert Kraut continues clinical teaching in dermatology and his work with chemotherapy of common verrucae.

Dr. Juan Larralde is active in resident training in clinical dermatology and minor surgical procedures, including cosmetic planning for acne.

Dr. Peter C. Lombardo was promoted from clinic assistant to assistant attending dermatologist. He is engaged in the study of Kreim reaction in sarcoidosis and attends the House of the Holy Comforter, St. Barnabas Hospital, Isabella Home and Delafield Hospital. He is responsible for organizing many of the lectures for residents at Co-

lumbia and is now certified by the American Board of Dermatology.

Dr. Leon I. Miller was promoted to senior resident, third year. He and Dr. Young attended the annual meeting of the American Academy of Dermatology in December 1967, in Chicago as part of the training program. Dr. W. Ralph Barbee was promoted to second year resident in dermatology.

Dr. Perry Sachs is responsible for teaching histopathology using "study" sections and current slides for demonstration at the conferences. He continues his study of various pigmentary abnormalities and is a lecturer at Mt. Sinai Hospital.

Dr. Roy A. Stevens assumed the position of attending dermatologist at North Shore Hospital, Creedmoor State Hospital and Queens General Hospital, while remaining active in the St. Luke's dermatology clinic and training program.

Dr. Eugene Sweeney was certified by the American Board of Dermatology. He is active in teaching residents in clinical dermatology.

### Social Service

Mrs. Phyllis Young continues her excellent follow-up and reports on contagious and infectious diseases seen at the clinic. She is to be commended for her work with syphilitic patients.

### Appreciation

We wish to thank Dr. Charles F. Begg for the cooperation of the department of pathology in preparing histological sections and for his continuing consultations.

We also wish to thank Dr. Victor Bokkenheuser for his help in bacteriology and mycology.

# Medicine

Theodore B. Van Itallie, M.D., Director

Since annual reports ordinarily are designed to serve as records of achievement, it is of course fitting to emphasize the accomplishments of the year and these are recorded in the pages that follow. Yet, the occasion for presenting such a report also provides an opportunity to consider problems that remain unsolved or that have been solved only in part. And possibly this is also the time to reflect that problems may be breeding unrecognized, somewhat like the areas of turbulence in the Caribbean that the Weather Bureau regards with such suspicion during the hurricane season.

In the last two decades the number of full-time physician-scientists in the Department of Medicine has increased tenfold — from two to twenty or more. It is these men who, for the most part, are responsible for building the subspecialties of internal medicine (other than cardiology) within the department; for example, hematology, gastroenterology and endocrinology. These same “full-time” individuals have been responsible for developing teaching and research programs within their subspecialty areas and for providing essential consultative services to patients. Thus, the major advantage that the medical service of 1967-1968 possesses in comparison with its predecessor of 1947-1948 is the full-time structure and all that such an arrangement implies.

Although this important development within the Department is responsible for much of its eminence as a teaching service, it should be pointed out that a major portion of the salary support for the full-time staff still derives from grants and other “soft” sources. Thus, the subspecialty units still have not been satisfactorily integrated into

the Hospital Center's administrative and fiscal structure, and while the contributions of these Units to patient care, teaching and research are fully recognized and appreciated, the Units themselves should now be brought fully into the Center's organizational and fiscal framework.

The problem has been intensified by the gradual drying up of NIH funds which had made it possible to initiate programs but which often are no longer available to sustain them. The retrenchment in the NIH budget, in its turn, has increased the competition for grants from other sources and has created considerable uncertainty and insecurity among physician-scientists all over the country. This state of affairs was probably inevitable when one considers that the National Institutes of Health is as vulnerable as many other government agencies when cutbacks in expenditure must be made. However, it has now become urgently necessary to evaluate a number of activities within the Hospital Center framework that were planted and fostered by outside funds, and determine whether the "graft" has taken or whether a "fiscal rejection" process must now occur. Since the system of having full-time physician-scientists conducting subspecialty programs is as vital to the medical service and the Hospital Center as a transplanted heart is to the recipient, it is clear that appropriate measures to prevent the rejection phenomenon cannot be delayed.

Another problem experienced by the medical service—a chronic one—has to do with the medical outpatient department. The general medical clinics should be models of medical diagnosis, care and teaching in which the health care team works smoothly together with the administration. The facilities for interviewing and examining patients should be generously adequate and the patients themselves should be carefully screened to ensure that only those truly requiring medical clinic care are admitted. The physician should arrive on time and see only that number of (carefully scheduled) patients compatible with a thorough examination of the clinical problem. Clinic conferences should be held at regular intervals with group discussions directed toward cases of unusual interest. Subspecialty consultations should be readily and promptly available to deal with appropriate problems.

Unfortunately, this idealized concept of the out-patient department is still far from realization. The physical facilities for seeing out-patients need alteration so as to provide more space for examining and interviewing patients. The flow of patients into and out of the clinic needs to be carefully controlled. Work in the clinic is still regarded by many physicians as a chore that they must endure in order to maintain hospital privileges. This attitude is in considerable part the fault of the medical service leadership in not providing a more vital professional atmosphere in which to function. The current problems seem to be those of making the appointment system work, efficient screening to provide that appropriate patients are admitted and, most important, in enlisting staff cooperation to ensure that each clinic member arrives punctually and takes his full share of the load.

The professional and administrative aspects of problems relating to the out-patient clinic are intertwined—one cannot be solved without help from the other. A most encouraging development has been the recent appointment by the Hospital Administration of a full-time physician who will monitor and coordinate clinic activities. And other steps have been taken to improve the operation of the medical out-patient department. A system of clinic day chiefs has been instituted so that administrative problems can be attended to as they arise. In addition, by vote of the Senior Attendings Committee, it has been agreed that every active member of the medical service must regularly spend some time in the medical clinic. Yet, despite these changes and still others that are planned, a thorough overhaul of the clinic area still is indispensable if the out-patient clinic is to perform its mission at a new level of excellence.

A third important area that needs strengthening is teaching on the private service. A major problem on the private service has been the lack of geographically distinct units for medical patients. In the past, a rather random distribution of medical admissions throughout the Scrymser, Plant and Clark pavilions has made it virtually impossible to organize and sustain an effective teaching program for house officers. However, with the cooperation of the administration it has

finally become possible to set up a homogeneous, semi-private teaching unit (STU) on Scrymser 1—Plant 1, an area consisting of 25 rooms and 44 beds. This Unit will be staffed by a resident, two interns and one or two medical students. The program, which represents an extension of the previously organized Scrymser 1 Service, should serve as a model teaching service. The admitting physician will retain final responsibility for the care of his patient but he and the house officer will act as senior and junior partners in the management of the case. At the same time, attending physicians will be assigned to the Unit for teaching purposes only. These visiting internists ordinarily will not be directly involved in the care of the patient on the STU.

Major problems in operating the STU at a high level of effectiveness will be: (1) development of a workable system of ready communication between admitting physician and STU house staff; (2) continuing cooperation of the Admitting Office in order that the STU will maintain a high census of medical patients; (3) strong leadership on the part of the resident assigned to the STU, and (4) support from medical attendings assigned to supervise the STU, and from the medical staff generally.

It is absolutely essential to the proper development of the Department of Medicine that teaching on the private service be improved rapidly so that within a short time it will be just as desirable a rotation as the so-called "ward service." The new STU represents a major step toward this goal and, hopefully, will serve as a firm foundation for further improvements in private teaching.

Over the years, the work of the Department of Medicine has received generous support from many good friends and benefactors. A list of contributors to the teaching and research programs is found elsewhere in the Annual Report. However, special mention should be made of the creation in 1967 of the Donna Bain Wiggins Fund for Cancer Research. This fund was made possible through the thoughtful generosity of Mr. Grafton Wiggins, husband of the late Donna Bain Wiggins. It is designed to support basic studies of the genetic control of cellular behavior with the object of obtaining a better understanding of how cancer develops and how it can be controlled.

When the new Research and Services Building is completed two years hence, the cancer research work will be continued in a unit there to be named the Donna Bain Wiggins Laboratory for Cancer Research.

#### *Nutrition and Metabolic Research Unit*

This laboratory has continued to conduct studies of lipid and carbohydrate physiology and metabolism in man and experimental animals. Patients with a variety of hyperlipidemias have constituted a major source of clinical investigation. A selected number of hypercholesteremic patients have been treated with a bile acid sequestering resin, cholestyramine, for periods up to nine years. The mechanism of control of serum lipids has been related to enhanced fecal output of bile acids and neutral sterols. Fecal sterol patterns have been studied in a series of patients with massive resection of the small intestine. A new chromatographic procedure for separation of fecal sterols has been developed. Also, an attempt has been made to quantify lipoproteins by two-dimensional electrophoresis and protoporphyrin tagging.

Studies of digestion, absorption, transport, utilization, and clinical use of medium chain triglyceride (MCT) have been extended. The mechanism of the metabolic effects of MCT has been related to hepatic perfusion with octanoate and decanoate derived from MCT after absorption. Studies of insulin in the dog have been made in an attempt to explain the mechanism of octanoate induced hypoglycemia and MCT-induced hyperketonemia. An attempt is being made to quantify the degree of hyperketonemia necessary for stimulation of insulin secretion. The laboratory has been instrumental in development of newer medium chain synthetic glycerides containing odd-numbered fatty acids. Two examples are tripelargonin (C9) and triundecanoin (C11). Remarkable enrichment of adipose tissue with odd-numbered fatty acids has been achieved in the intact animal. Enhancement of chylous transport of pelargonate has been achieved in thoracic duct cannulated rats by the simultaneous presence in the fat meal of long chain triglyceride. It appears possible to endow the organism with potentially glucogenic fatty acids. The antiketogenic



and protein-sparing effects of these glycerides are currently being investigated. Studies of the mechanism of impairment of glucose tolerance following repeated injections of glucagon are being made. A new potassium-sparing agent, amiloride, has been used in the pre-operative management of refractory hypokalemia associated with primary aldosteronism. The effect of anovulatory suppressants on insulin secretion and carbohydrate tolerance has been reported. It has been possible chronically to implant Doppler transducers around the portal vein and hepatic artery of dogs for continuous monitoring of hepatic blood flow. Further studies have been made of food intake patterns by use of a monitored feeding machine in normal, obese adult and obese juvenile subjects during periods of inactivity and accelerated physical activity. On the machine obese children have responded very differently from obese adults.

#### NUTRITION AND METABOLIC RESEARCH UNIT STAFF:

Sami A. Hashim, M.D.	Full-time	Director
Robert G. Campbell, M.D.	Full-time	Clinical Director, Metabolic Ward
Francis X. Pi-Sunyer, M.D.	Full-time	Research Associate
Mona Saroj Devi, M.D.	Full-time	Fellow
Presentacion Fontanares, M.F.	Full-time	Fellow
Phienvit T'yangkul, M.D.	Part-time	Fellow

#### *Laboratory of Experimental Cardiology*

Research in this laboratory has continued to be primarily concerned with the metabolic disturbances resulting from an inadequate supply of blood to the heart. During the past year, using a continuous sampling, multiple analysis technique which was specifically designed for this purpose in our laboratory, we have been able clearly to show potassium loss from the heart when its blood supply becomes inadequate, followed by a prompt return of this lost potassium to the heart with restoration of coronary flow.

This same continuous sampling technique has also been employed to detect potassium loss during open heart surgery in collaboration with Dr. Colin McCord and is at the present time being employed

in patient studies to determine whether this finding is confirmed in man during angina pectoris.

Other projects studied during the year were the effect of arterial potassium levels on myocardial potassium balance, the relation of red cell potassium content to total body potassium, and the mechanism of action of interatrial shunts.

The members of the laboratory also participated actively in clinical care of patients. Dr. Case continues to serve as chief of the Cardiac Consultation Clinic, Riverside Branch, Department of Health of the City of New York, and is assisted there by Doctors Roven and Cramp-ton. Dr. Case is chief of the Children's Cardiac Clinic.

#### LABORATORY OF EXPERIMENTAL CARDIOLOGY STAFF:

Robert B. Case, M.D.	Full-time	Director
Richard S. Crampton, M.D.	Part-time	Assistant Director
Robert B. Roven, M.D.	Part-time	Research Associate
Michel G. Nasser, M.D.	Full-time	Research Fellow

#### *Tissue Culture Laboratory*

In 1967 quantitation of the well technique of marrow culture for erythropoiesis with iron-59 was perfected. By its use studies of the kinetics of action of erythropoietin and testosterone on erythropoiesis were carried out. Both of these substances have an optimal dose level above which their effect becomes inhibitory. Other substances that were found to stimulate erythropoiesis were potassium and calcium ions, and the steroid hormones 17-a-OH pregnenolone and 11-keto-pregnenolone. Estrone inhibits erythropoiesis and neutralizes the effect of testosterone. The existence of a factor stimulating erythropoiesis in the serum of patients with polycythemia vera was confirmed and verified by several control studies using serum from randomly selected normal blood donors and lyophilized pooled polycythemic serum. Since this factor is extremely stable over years of storage under refrigeration, and appears to be inactive in dog marrow in vitro, it may not be erythropoietin.

#### TISSUE CULTURE LABORATORY STAFF:

Edward H. Reisner, Jr., M.D.	Part-time	Director
------------------------------	-----------	----------

### *Community Health Studies Unit*

The major event of 1967 for the Community Health Studies Unit was the approval of a grant request for \$1.2 million by the U.S. Office of Economic Opportunity for the establishment of a "Neighborhood Health Center" to provide comprehensive medical care to a poverty population of 25,000 living in a depressed area near the Hospital. Although the program will be located within the Riverside Health Center of the New York City Health Department, it will be carried out by St. Luke's Hospital staff and personnel. The original grant application was developed by members of the Community Health Studies Unit, who will now move to the new program to implement its aims.

The Continuing Education Institute for general practitioners in the West Side area conducted by the Office of Community Physician Relations, carried out its second year of operation under Doctors Isabelle Blum and Kenneth Weinstein. More than 150 general practitioners were involved in the program during the past year.

The pilot Methadone Maintenance Research Program for the treatment of heroin addiction with Methadone, entered its second year under the direction of Doctors Beatrice Berle and Joyce Lowinson. At the end of the year, 25 patients were enrolled in the program.

The two satellite offices which the Community Health Studies Unit has maintained for several years (one in a middle-income housing cooperative and one in a low income housing project) continue to function well, providing both information to the Unit about the medical needs of the community and assistance to the residents of the housing projects in obtaining medical care.

During the past year, two new demonstration programs were started by the Community Health Studies Unit. The first program was developed in cooperation with staff from the Karen Horney Clinic and aims at providing medical care and counselling for unwed pregnant teen-agers; the Karen Horney Clinic staff provide psychiatric counselling and guidance, while the Community Health Studies Unit provides medical and public health nursing support.

A second new program begun during the past year is the Genetics Counselling Service, carried out by Doctors Dorothy Warburton and Robert Mack. The new program is designed to provide community physician, parents, and social agencies with expert diagnostic evaluation and guidance with regards to possible genetic problems in the patients or their offspring. It is being developed in cooperation with the Department of Obstetrics and Gynecology.

During the past year, the Community Health Studies Unit continued to sponsor a monthly series of seminars on "Social Problems and the Health Field" which brought speakers and visitors from all over the country.

For the fourth year, the Community Health Studies Unit was responsible for the field training of graduate students in public health nursing from the New York University Master's degree program in public health nursing. The unit also served as a field training site for graduate students in Social Work from New York University, Columbia University, and Hunter College, as well as for undergraduates in nursing at Cornell University and St. Luke's Hospital School of Nursing.

COMMUNITY HEALTH STUDIES UNIT STAFF:

Paul R. Torrens, M.D., MPH	Full-time	Director
Jane Z. Moss, Ph.D.	Full-time	Research Associate
Kenneth W. Weinstein, M.D.	Full-time	Research Associate
Beatrice B. Berle, M.D.	Full-time	Research Associate
Isabelle Blum, M.D., MPH	Full-time	Research Associate
Robert W. Mack, M.D., MPH	Full-time	Research Associate
Joyce C. Lowinson, M.D.	Part-time	Research Associate
Dorothy Warburton, Ph.D.	Full-time	Research Associate
Charmaine H. Fitzig, MS, MPH	Full-time	Research Associate

*Renal-Endocrine Section*

A rapid and sensitive method for the determination of corticosterone in human plasma using thin layer chromatography was developed. The method has also been adapted for the measurement of compound "S" and is proving to be a very useful tool for the clinical

assessment of human pituitary-adrenal reserve during methopyrapone testing.

In other studies, using the *in situ* perfused dog adrenal preparation, clomiphene was found not to exert any detectable effect on adrenal corticosteroid and ketosteroid secretions.

Finally, a new guanidine diuretic was tested in patients with refractory edema. This drug will prove a very useful agent in such cases, since it significantly reduces the bothersome kaliuretic effects of the potent conventional oral diuretics when used in combination with them.

Work is in progress on a study of the effects of chronic methadone administration on the hypothalamic-pituitary axis in narcotic addicts. Dr. Vincent Dole of the Rockefeller University is collaborating with us in this project. Preliminary results in 14 patients indicate on the average no impairment in pituitary-adrenal response to methopyrapone as measured by urinary 17 KS and 17 KGS excretions. However, 2 patients did appear to have some diminished pituitary reserve, as well as a sluggish response to ACTH. Obviously, more patients must be studied and other parameters of pituitary-adrenal function measured.

The laboratory and its staff continued its active teaching program. All ward patients with renal or endocrine diseases were seen in consultation with the house staff and workups and therapy were supervised. In addition, renal biopsies and peritoneal dialysis were carried out when indicated.

RENAL — ENDOCRINE SECTION STAFF:

James G. Hilton, M.D.	Full-time	Director
Paul Cushman, M.D.	Full-time	Associate Director
Bertrand Bordier, M.D.	Full-time	Fellow

*Cardiopulmonary Laboratory*

A study undertaken with Dr. O. R. Jones aims to develop a more sensitive method for early detection of abnormal lung function in children which is not painful and easily applied to a large number of children. A modification of the steady state CO diffusion capacity

performed at rest and during controlled hyperventilation reveals impaired uptake of CO in children with bronchitis and other chronic lung disease at a stage not detectable by other means.

An effective bronchodilator action of drugs administered by aerosol has been demonstrated without a measurable effect on heart rate or blood pressure, and, presumably other hemodynamic events. Patients with pulmonary emphysema undergo right and left heart hemodynamic and contractility studies before and after a small aerosolized dose of bronchodilator sufficient to relieve bronchospasm but without a direct effect on heart rate and cardiac output. Preliminary studies suggest that pulmonary vascular resistance may be reduced by this means.

Superior methods of measuring myocardial performance in patients with cardiac and pulmonary diseases are needed.

During routine right and left heart catheterizations in patients with valvular heart diseases, myocardiopathy, coronary heart disease, and patients with chronic pulmonary disease, studies of the  $dp/dt$  of the ventricles, change in ventricular volume and pressure in systole and diastole, and timed pressure-volume dynamics are recorded. The  $dp/dt$  as related to the left ventricular and diastolic pressure in a beat by beat analysis of patients with atrial fibrillation and rheumatic valvular heart disease appears to represent a measurement of left ventricular performance which correlates well with the postoperative course of corrective valve surgery and is not dependent on the valve lesion *per se*.

Utilizing the electron microscope and inflation fixation of the lung, Dr. Stephen Ryan, in conjunction with Dr. Charles Begg, Director of the Department of Pathology, has undertaken a comprehensive study of the ultrastructure, microscopic structure, subgross and gross alterations of the lung in various disease and experimental states.

The cardiopulmonary laboratory provides for the training of two NIH trainees in clinical cardiology and one trainee in basic cardiovascular physiology. The clinical trainees learn the appropriate basic

physiology and the techniques, calculations and interpretations required for right and left heart catheterizations, selective angiocardiography, and transvenous pacemakers. The fellowship experience requires a responsible participation in one of the laboratory research programs.

The basic cardiovascular traineeship seeks in two years to train a full time cardiologist interested in more basic research and teaching.

A single two-year fellowship in pulmonary physiology and clinical chest diseases trains physicians interested in a full time laboratory position.

Members of the laboratory are responsible for the weekly pulmonary conference and pulmonary consultations and heavily involved in the teaching activities of the emphysema, cardiac, and cardiac case selection clinics.

Dr. Bell directs the physical diagnosis course for the second-year medical students from the College of Physicians and Surgeons, and members of the laboratory, as well as other members of the medical staff, conduct the bedside teaching.

#### CARDIOPULMONARY LABORATORY:

Dr. A. L. Loomis Bell, Jr.	Full-time	Director
Dr. O. R. Jones		Consultant
Dr. S. Shimomura	Full-time	Associate Director
Dr. C. R. Barrett, Jr.	Full-time	Research Associate
Dr. V. Krstulovic	Full-time	Research Associate
Dr. A. Cameron	Full-time	Assistant Physician
Dr. Stephen R. Ryan		Assigned in Pathology

#### *Hematology Unit*

The Unit pursues a continuing research program aimed at a better understanding of factors controlling hemoglobin synthesis. Clinical aspects of the program have centered around sickle-cell anemia, the prototype of so-called "molecular disease": This appellation implies that sickle-cell anemia is a disease identifiable at the molecular level. Our work on experimental animals has indicated that where



multiple hemoglobins exist their relative proportions are manipulable, in spite of the fact that these proportions are presumably under genetic control. This finding applies conceptually to the diseases of human hemoglobin and to sickle hemoglobin and fetal hemoglobin which are responsible for manifestations of the disease. A collaboration with the Laboratory for Experimental Hematology at New York University has been established: The purpose of this project will be to determine the effect of certain hormones on the control of hemoglobin synthesis, and, by electron microscopy, to investigate changes produced by these hormones at a sub-cellular level.

Studies recently completed in the Unit's electron microscopy laboratory have demonstrated microfilaments (probably crystals) within the circulating red blood cells of patients with sickle-cell anemia. Some of these erythrocytes are irreversibly deformed, but some are not: One may reasonably conclude that the difference between these two types of cells lies in membrane alterations. Work is progressing in that direction.

The clinical and teaching activities of the Hematology Unit have been carried on jointly by Dr. Bertles and his clinical associate Dr. Goldstone. A postgraduate clinical hematology course was given by them to interested physicians as part of the overall teaching program of the College of Physicians and Surgeons. In addition, the Unit contributed to the St. Luke's Community Medical Education series. The house officer teaching program involving the rotation of medical residents through the hematology services continued.

Clinical research with investigational drugs which started with the use of phenylalanine mustard in multiple myeloma included last year the use of azathioprine (Imuran) in the therapy of diseases of autoimmunity resistant to corticosteroids.

The Unit was active in clinical and teaching activities outside of St. Luke's Hospital but within the Medical School complex. Dr. Bertles conducted hematology rounds at Presbyterian Hospital and Dr. Goldstone made attending rounds at the Francis Delafield Hospital. Co-operative ventures with Presbyterian-Delafield have included a joint treatment protocol for acute leukemia and the weekly cancer chemotherapy rounds at Delafield Hospital attended by Dr. Goldstone.

#### HEMATOLOGY UNIT STAFF:

John F. Bertles, M.D.	Full-time	Director
Johanna Dobler	Full-time	Research Assistant in Electron Microscopy
Jonas M. Goldstone, M.D.	Part-time	Clinical Associate

#### *Radioisotope Laboratory*

Tracer isotope tests were performed 2,215 times in 1967. Organ scanning, for visualization of brain, liver, kidneys, lungs, placenta, and bones formed a large part of the laboratory's work, increasing from 665 to 1,017 scans during the last year. Several other tracer isotope tests were done infrequently to answer special clinical needs.

The chart below shows the increase in clinical studies from 1966 to 1967.

<u>Procedure</u>	<u>1966</u>	<u>1967</u>
Brain scan	132	247
Liver scan	194	280
Lung scan	49	146
Thyroid studies	1,051	1,285
Hematology studies	105	91
Cardiac studies	34	39

The major event in the 1967 research program was the installation of the whole body counter and the institution of the body composition program. The 15-ton nuclear device was transported from the Walter Reed Army Institute of Research and rebuilt in the Radioisotope Laboratory. Calibration and standardization of the instrument were carried out during the fall of 1967, and by the New Year just over 200 normal volunteers had been counted. It is expected that the body composition investigative program will pay dividends in better diagnosis and care of patients.

Other areas of clinical investigation pursued during 1967 include:

1. Studies in connection with Dr. Michael Grieco of the hemodynamic and respiratory consequence of asthma and its treatment with Isuprel.

2. Studies, in conjunction with Doctors Draper and Roe of the Urology Service, of the effects of halothane anesthesia on renal function.

3. Studies, in conjunction with Dr. Bernard Nathanson of the Obstetric and Gynecology Service, of changes in amniotic fluid volume after installation of hypertonic saline during mid-term interruptions of pregnancy.

4. Studies, with Dr. Albert Altchek of the Obstetrics and Gynecology Service, of the effect of anesthesia on the lung scan in women undergoing routine gynecology operations. A number of small pulmonary emboli, clinically unsuspected but supported by enzyme studies were discovered.

5. Studies with Dr. Colin McCord and Dr. Jesse Blumenthal of cardiac output in patients before and after open heart surgery. These measurements were made at the bedside with the portable equipment which makes it unnecessary to move sick patients to the cardiopulmonary laboratory.

#### RADIOISOTOPE LABORATORY STAFF:

Richard N. Pierson, M.D.	Full-time	Director
Richard P. Keating, M.D.		Consultant
Leonard Liegner, M.D.		Consultant
Helene Salensky		Supervising Technician

#### *Gastrointestinal Unit*

In 1967 we have pursued our studies of rate-controlling steps in the overall process of intestinal fat absorption using maximal rate, steady state conditions in the conscious rat. Most recently in these experiments we have analyzed the behaviour of two differing lipids, triolein and trioctanoin, when these are presented to the intestine for digestion and absorption concomitantly. Neither pancreatic lipolysis nor solubilization in the micellar (watery) phase of intestinal contents was responsible for the inhibition of triolein absorption observed when trioctanoin was also perfused. It appears that competition for triolein absorption occurs at the intestinal mucosal membrane. The total

quantity of fat absorbed in these experiments was greater than was previously achieved with either triglyceride alone, but other attempts to alter absorption rate have not been successful to date.

There has been much controversy in the past concerning the presence of lipolytic enzymes in the stomach. We have clearly shown that lipolysis of medium chain triglycerides (MCT) by gastric mucosal homogenates does occur and that the enzyme responsible is quite stable at the acid pH of the stomach. Furthermore, significant lipolysis and absorption of medium chain fat occurred from the stomach when trioctanoin was given to pyloric ligated rats. No digestion or absorption of long chain triglyceride was detected in these studies. The demonstration of gastric absorption of MCT provides another potential mechanism for the nutritional benefits previously demonstrated in patients with malabsorption.

We have continued our studies with alcohol dehydrogenase (ADH), the enzyme that controls the rate of alcohol metabolism in the body. Observations of the appearance of ADH in the serum have been completed in over 250 patients, and it is clear that the enzyme is found in the blood only during active liver cell damage. Of greater interest is the conclusion that considerable serum ADH activity is detected in patients with intrahepatic cholestasis, whereas it has been absent in 35 patients with extrahepatic obstructive jaundice. These studies suggest that the determination of ADH activity is a unique way for distinguishing the mechanism of obstructive jaundice. Extensive purification of alcohol dehydrogenase from human liver has been achieved. We are presently studying the physical and enzymatic properties of a purified "typical" and "atypical" ADH enzyme from liver and have recently produced 3 antibodies to these enzyme preparations. Preliminary studies of the kinetics of the activity of this enzyme in the oxidation of ethanol and of retinol (vitamin A alcohol) do indicate affinity of both substrates for the enzyme. These findings suggest that alcohol may have the capacity to interfere with oxidation of vitamin A alcohol in the liver. If the alcohol dehydrogenase of the eye (retinol reductase) behaves similarly these findings may have important implications for the production of night blindness.

The Gastrointestinal Unit has continued to provide consultation services and special techniques for patients in the hospital. We now provide 24 hourly coverage and emergency diagnostic services for patients with gastrointestinal bleeding. Drs. R. McCray and M. Gang are evaluating the utility of emergency endoscopy in the diagnosis of the site of upper gastrointestinal hemorrhage. In addition to the regular ward rounds, pathology conferences, research seminars and gastrointestinal grand rounds we have started holding monthly pathology seminars with outside speakers. It is expected that the work of the unit will expand greatly on completion of the new Clinical Gastrointestinal Unit.

The N.I.H. sponsored graduate training program in Gastroenterology started in July 1967. An exciting venture under the auspices of this program has been a series of evening seminars in gastrointestinal physiology which has attracted an audience from the faculty of most of the major medical schools in the New York area.

#### GASTROINTESTINAL UNIT STAFF:

Peter R. Holt, M.D.	Full-time	Director
Susanne Bennett-Clark, Ph.D.	Full-time	Associate Physiologist
David Chalfin, M.D., Ph.D.	Part-time	Research Associate
Gilbert R. Cherrick, M.D.	Part-time	Clinical Associate
John J. DuBois, M.D.	Part-time	Clinical Associate
Charles A. Flood, M.D.	Part-time	Endoscopist
Francis G. Geer, M.D.	Part-time	Clinical Associate
Benjamin N. Kightlinger, M.D.	Part-time	Clinical Associate
Richard S. McCray, M.D.	Part-time	Clinical Associate
Esteban Mezey, M.D.	Full-time	Research Associate
Michael Gang, M.D.	Full-time	Research Fellow

#### Staff Activities

In 1967 the medical service was represented in the medical literature by 30 papers. This reflects a good growth of clinical and laboratory research. During the year many members of the department lectured and conducted seminars at various hospitals and several medical schools; the large number of these prevents individual citation.

Dr. Theodore B. Van Itallie continued service on one subcommittee of the National Research Council (Recommended Dietary Allowances). He continued service on the Council of Foods and Nutrition of the American Medical Association and on the Scientific Advisory Committee of the Nutrition Foundation. He was also elected president of the American Board of Nutrition.

Dr. Myron Wright was elected president of the Medical Board of St. Luke's Hospital Center. Dr. Gilbert Cherrick was Visiting Professor of Medicine at Pahlavi University Medical School in Shiraz, Iran for one week in August. Dr. Peter Holt and Dr. John Bertles were elected Fellows of the American College of Physicians; Dr. John DuBois was elected an associate member.

Attending physicians continued to give their time unstintingly in the wards, in the clinics, and at conferences, for the training of the house staff.

## Patient Care and the Teaching Program

There were 3,526 medical admissions during 1967, divided among private (1,177), semi-private (1,053), and ward (1,296) categories. The total medical patient days was 69,490. The number of ward patient days was 20,204. There were 81,501 emergency room visits and 33,533 visits to the general medical and specialty clinics.

The medical service continued active participation in teaching of Columbia University medical and graduate students. An elective course in physical diagnosis was directed by Dr. A. L. Loomis Bell. Twelve preceptors, drawn from the attending staff, taught fourth year students.

Three postgraduate courses were again given in conjunction with the postgraduate teaching program of the College of Physicians and Surgeons. These were: clinical cardiology (Dr. E. P. Childs and associates), clinical hematology (Dr. Bertles and associates), and clinical nutrition and metabolism (Drs. Van Itallie, Hashim and associates).

Dr. Van Itallie made chief of service rounds at Presbyterian Hospital during July and August. Six staff members taught fourth year students at Vanderbilt Clinic.

*The Department of Medicine wishes to thank the following major contributors for their financial support during 1967:*

National Institutes of Health  
Public Health Service  
Health Research Council of the City of  
New York  
Department of Health of the City of  
New York  
Atomic Energy Commission  
Stony Wold Corporation  
Whitehall Foundation  
John A. Hartford Foundation  
New York Heart Association  
Williams Waterman Fund  
Scott Memorial Fund  
Irwin Strasburger Memorial Medical  
Foundation  
Merck, Sharp and Dohme Research  
Laboratories

Charles E. Merrill Trust  
Estate of Arthur H. Bunker  
Mr. Grafton Wiggins in memory of  
Donna Bain Wiggins  
Mrs. Constantine Sidamon Eristoff  
Mrs. Harold R. Mixsell  
Mrs. Harriet Phipps  
Mrs. Clarence Prentice  
Mrs. William Riker  
Mrs. Herbert Smith  
Mr. John Stevens  
Mrs. Blanche Vanderpoel  
Mr. William Vanderpoel  
Estate of Ernest C. Foote  
Burroughs Wellcome & Co.





# Obstetrics and Gynecology

Harold M. M. Tovell, M.D., Director

Gynecology and Obstetrics, comprising a major medical discipline, has perhaps the clearest delineation of its responsibilities, dealing as it does with diseases peculiar to women. Defining these diseases more precisely, it can be said that the specialty encompasses that area of medicine concerned with the normal and abnormal processes of human reproduction and of the female reproductive system. Thus defined, the primary responsibility of the Obstetrical and Gynecological Service, to provide facilities for quality care to the patients who seek its help and teach the basic concepts and practices of the specialty to those who seek its training programs, becomes a unified function of those responsible for the overall operation of the hospital.

Adequate space for essential medical and paramedical personnel, specialized care and diagnostic services, and specific research and training programs, remains to be found. Some encouraging progress has been made in these directions in the past year and are noted in this report.

Additional points of interest will be observed in comparing certain patient care statistics over the past five years, where despite the fewer beds in the new 135 bed building, certain patient statistics appear to be approaching those prior to 1965 when the service was located in the old 175 bed building. The Obstetrical and Gynecological Service admitted over 5,500 patients during the past year making it the largest service in the hospital center.

## Out-Patient Care

*Out-Patient Department:* The increase in out-patient department visits throughout the hospital center was reflected in the obstetrical-gynecological out-patient clinics. Table I records the gradual increase in clinic visits over the past five years. There were nearly 2,000 more clinic visits than in the previous year and over 5,400 more than in 1965, the year that marked the opening of the new building. Of the nine subspecialty clinics, one of which was started in the fall of 1967, the increased load occurred in the family planning, gynecology, pre-natal and postnatal clinics.

A total of 30,000 clinic visits a year with 1,560 available clinic hours, permits only twenty visits per hour. With a maximum clinic staff of five physicians, including four residents, four patients per hour per physician can be seen which is considered optimal for the specialty. The clinic facilities will eventually need to be expanded or the hours of operation extended to meet the future growth that is anticipated.

*Family Planning Clinic:* Under the direction of Dr. Stuart Oster and in its third year of operation this clinic has over 2,500 registered patients and has handled over 4,000 clinic visits. Several research programs are either in progress or have been concluded. Much of the load of this clinic will have to be taken over as an integral part of the post partum clinic.

*Vulva Clinic:* In the fall this clinic was opened for the primary purpose of bringing into one clinic, patients afflicted with both dermatologic and neoplastic diseases of the vulva. Dr. Alex Young, director of dermatology, and Dr. Esther Weisfogel, in association with Dr. George Munsick of the department of pathology, are responsible for this clinic. In addition to improved patient care it is anticipated that much can be learned in this area of gynecologic diseases.

*Riverside Health Clinic:* Operated by the New York City Department of Health and in which the obstetrical and gynecologic service, under the direction of Dr. Ian Van Praagh, services three sessions a week

consisting of two prenatal and one postnatal and family planning clinic, this clinic continues to provide a source of patients to the hospital, many of whom are considered high risk patients. In the two prenatal clinics alone there were 1,860 clinic visits of which 288 were new patients. Of the 1,400 patients seen, fifty-one percent or 716 patients were found to have complications that categorized them as "high risk pregnancy." The perinatal mortality rate of this group of patients alone was 3.4 percent. Over 259 patients from this clinic were delivered at the hospital, an increase of fifty percent over the previous fourteen months, and accounted for seventeen percent of all ward deliveries at the hospital.

The weekly family planning clinic at the Riverside Health Clinic provided 1,968 clinic visits of which 323 were new patients, representing a slight decline from the 382 new patients seen in the previous fourteen month period. The majority of new patients or seventy percent in this clinic chose the oral contraception while 18.5 percent chose the I.U.C.D.

*The Pediatric Gynecology Clinic:* Now in its second year, under the supervision of Dr. Albert Altchek, in association with a senior pediatric resident and a regularly assigned nurse, continues to meet every two weeks seeing eight to twelve patients per clinic.

*Parent Education Clinics:* Under the direction of Miss Margaret Ball, R.N., these classes, begun in 1966, continued to grow and serve an important educational function in the prenatal patient care program. During its first full year in operation it provided 130 morning classes, eighty-nine afternoon classes and fifty-six evening classes, for a total of 917 ward and private patients and 160 husbands. Special classes were introduced for out-of-wedlock pregnant teenagers, breast-feeding classes and prenatal exercise classes. Late in the year Miss Ball resigned from this program to be married and the hospital was fortunate in procuring the services of Miss A. Roy, R.N., M.S., formerly of the labor room staff.

With the continually increasing demand for this out-patient maternal care program, particularly for the guidance and assistance required for the unwed mothers that comprise over forty-five percent of our prenatal clinic, it is apparent that an assistant parent educator will shortly be required before any further expansion of this service can be satisfied.

### In-Patient Care

The year 1967 represents the first full year that the service has had complete use of the 135-bed capacity in the new building. It is a year therefore that may be used as a baseline from which to compare any future growth of in-patient services.

*Hospital Admissions:* Table II compares both the obstetrical and gynecological admissions over the past five years. The move from the old 175-bed hospital took place in August 1965. For the first eleven months in the new building, through July 1966, the service was limited to 109 beds. It is of interest to note that total admissions have steadily increased since 1965, but in 1967 118 fewer patients were admitted than in the last full year in the old 175-bed hospital. The obstetrical-gynecological service continues to be the largest single service in the St. Luke's Hospital Center with over 5,500 admissions last year.

*Obstetrical Service:* Table II also relates the obstetrical admissions according to class of patients for the past five years. From 1963 through 1966 the three-to-two ratio of ward to private admissions was maintained while in 1967 a two-to-one ratio was obtained. The increased number of ward obstetrical admissions and viable deliveries, as shown in Table III, reflects the increased patient load from the Riverside Health Clinic. The gradual decline of the number of private admissions and viable deliveries is more in line with statistics of other obstetrical services both locally and nationally.

Table IV records the perinatal mortality rate according to birth weight for the years 1965 through 1967. It is of some interest and perhaps of some significance that a drop occurred in the perinatal

mortality rate in the past two years as compared with the previous and last year in the old building, where pediatrician coverage in the nurseries was not as thorough as it is today.

Table V compares the operative obstetrical data for the past five years. These figures compare favorably with those of other New York City obstetrical-teaching hospital centers.

One maternal death occurred on the private service, the first in twenty-four consecutive months. The patient was admitted in the first trimester of pregnancy with a septic abortion that failed to respond to appropriate and almost heroic treatment. She died from renal failure and widespread infection.

*Gynecologic Service:* Table VI compares the number of gynecologic operations performed by the service according to the class of patients for the past five years. It is to be noted that since 1964 the total number of operations has remained approximately constant. The greater number of operations performed in 1963 and again in 1964 can well be attributed to the extra half day of operating room time on Saturday mornings which was then available. Since moving to the new building it has not been possible to obtain this time, but it may well become a necessity if further growth and expansion is to be desired.

The gynecologic tumor service, now separated from the regular gynecology service and under the supervision of a "cancer team" and the chief resident, continued to function both as a patient care and teaching program. Table VII lists the number of patients over the past five years in whom a gynecologic cancer was diagnosed. The table is broken down by patient class.

### Social Service

The social service division of the department of obstetrics and gynecology continued to grow and expand its services under the capable supervision of Miss Katherine Gordy, assistant director of social services. With an expanded staff of eight, and with 699 cases known to the service at the beginning of the year, there was an increase of 357 cases, making a total case load of 1,056 carried through 1967.



There was a similar increase in the number of interviews and case conferences held in the year. Interviews totaled 7,278 compared to 6,743 in 1966 and case conferences increased from 4,673 in 1966 to 6,051 in 1967.

The above figures do not reflect the interviews made by the family planning case aide who is responsible for educating all ward patients regarding the availability of family planning and taking the indicated social history of patients attending the family planning clinic. The case aide was involved in 3,502 interviews with 2,283 cases as opposed to 1,365 cases seen in the previous year.

All single, separated, widowed and divorced patients registered in the prenatal clinic (approximately forty-five percent of all prenatal patients) all patients on the ward service with cancer, mothers with prematurely born infants, drug-addicted patients, patients recommended for psychiatric complications, and all clinic patients requesting therapeutic abortions continue to be interviewed and followed when indicated by the social service workers. The social service department has been particularly active with special parent education classes for teenaged, unwed mothers. The classes provide child bearing information and give these patients an opportunity to discuss and obtain assistance with problems resulting from their out-of-wedlock pregnancy.

The entire hospital staff was saddened at the loss of Mrs. Howland Davis who, for so many years, gave so much of herself to the hospital and the social service department. As chairman for many years of the social service committee of the assistant board, her constant help and support, and wise guidance, remain a source of inspiration to all that were privileged to have been associated with her.

### Volunteer Service

Through the efforts of Miss Dorothy Rader, director of volunteers, the obstetrical and gynecological service was fortunate in having twenty-four volunteers—seven more than in the previous year—serve in the clinic, playroom, patient library, gift shop and on the floors of the hospital



## Teaching and Training Programs

On a ward service with over 2,800 obstetrical and gynecologic admissions, 1,527 deliveries, and nearly 1,100 gynecologic operations, and where the policy of attending supervision of all admissions and assistants at all operative procedures has been maintained, it is commendable that this long-standing aspect of the teaching and training program of the service has been maintained by a relatively small staff of eighteen voluntary attendings. This amounts to approximately 200 patients per attending per year where the preoperative, operative, parturient and post operative and post partum care is carefully supervised by the attending staff in conjunction with the resident staff. It does not include the untold time spent by the staff in the constant daily, and frequently nocturnal, teaching sessions held by individual attendings in discussing other clinical or patient management problems with the residents or students.

*Staff Conferences:* Regular, weekly staff conferences were held throughout the year at which fifteen visiting lecturers presented papers. Additional talks were given by several members of both the attending and resident staff on clinical subjects based mostly on material obtained from hospital records.

*Tumor Rounds and Conferences:* The weekly tumor rounds and conferences conducted by the tumor service continue to provide improved total patient care and teaching programs related to the problems of gynecologic neoplasia. During the year a manual on the management of gynecologic cancer at Woman's Hospital was completed.

*Resident Seminars:* Under the direction of Dr. Ian Van Praagh, twenty-eight basic science seminars were held for the resident staff that dealt with such topics as — human genetics, radiation physics, fetal physiology, Rh incompatible disease, reproductive endocrinology, ultrasonic diagnosis and isotopes in medicine. These seminars, conducted by physicians from both the Hospital Center and the medical

school, provide an opportunity to the resident staff to learn and discuss with specialists certain basic science problems that are so frequently encountered in their daily clinical practices.

*Grand Rounds:* For two hours every Saturday morning the informal presentation of the obstetrical and gynecologic service of the week are reviewed with the resident and attending staff assigned to service. These informative teaching sessions continue to serve as a valuable contribution to the teaching program.

*Resident Training Program:* On July 1, 1968, after five years of planning and two years after final approval by the resident review committee of the American Medical Association, the new four year resident program for sixteen residents was initiated. The length of the program promises to offer the residents a broader training program in addition to extra time for extended reading and opportunities for travel and perhaps some research or clinical investigational activities and writing.

*Student Teaching Program:* As part of the coordinated service activities with the corresponding department in the medical school, one, and sometimes two, fourth-year medical students have been assigned every month to the obstetrical and gynecologic service. In addition to assigning these students, who are regarded as interns, to routine ward work and specific patients, they are also instructed in operating and delivery room techniques. Special daily seminars for these students are provided by the attending staff.

## Research Program

*Basic Research:* Basic research programs of the department continues to be critically and severely impaired by the total lack of any assigned, appropriate laboratory space. The existing laboratories, consist of one 150 square foot room on loan from the department of surgery, one private patient consulting and examining room located in the private practice area of the Woman's Hospital, one biochemical laboratory

located at Teachers College, Columbia University, and one extremely crowded and shared laboratory in the department of obstetrics and gynecology in the College of Physicians and Surgeons at 168th Street. It is hoped that the original request, made nearly six years ago, for a minimum of 5,000 square feet of research space will be forthcoming in the new Service and Research Building.

*Cancer Research:* Dr. Barbara Johnston, research associate, continued her studies on the observation of certain morphological changes seen in peripheral white blood cells in patients with malignant disease. A high correlation of two cytomorphological changes, one in the cytoplasm and one in the nucleus of the white blood cells, appears to exist in patients with several unrelated types of cancers. Current studies are being carried out to investigate the nature of these changes and to observe their presence or absence in three types of animal tumors.

Work in this laboratory has been supported by the Damon Runyon Fund, the NIH General Research Support Fund, the New York Branch of the American Cancer Society, June Thompson Moore Fund, Estelle Golden Seeb Fund, the Nuclear Research Associates, the Bureau of Adult Hygiene Cancer Control Program and the James R. MacDuff Memorial Fund.

*Endocrinology Research:* William S. Kelly, Ph.D., a member of the obstetrical and gynecologic scientific advisory staff and an associate in the department of pharmacology at the College of Physicians and Surgeons, with temporary laboratories located in Teachers College, Columbia University, has been primarily concerned with the development of this important laboratory. Studies are currently being developed to investigate the metabolism of hormonal steroids with emphasis on those steroids which influence the metabolism of water and electrolytes. Studies on the mechanism of biosynthesis of estrogens are also in progress.

The importance of this basic science laboratory as an integral component of a modern teaching obstetrical and gynecologic department cannot be over-emphasized. Work in this laboratory has been sup-

ported by the NIH General Research Support Fund to the Hospital Center, the Health Research Council of New York City and the obstetrical and gynecologic departmental research fund.

*Genetic Research:* Dorothy Warburton, Ph.D., a member of the obstetrical and gynecologic scientific advisory staff and an instructor in the department of obstetrics and gynecology of the College of Physicians and Surgeons was appointed late in the year as director of the genetic service in the department of obstetrics and gynecology. With temporary laboratories located in the corresponding department in the medical school this program promises to provide both a community as well as a hospital function in diagnosis, counselling and research in human genetics. Current research work in this laboratory is in two areas: 1) In collaboration with Dr. O. J. Miller, associate professor of obstetrics and gynecology, College of Physicians and Surgeons, studies are in progress aimed at the better identification of human chromosomes and understanding of their behavior. The inheritance of dermal ridge patterns is also being investigated. 2) In collaboration with Dr. A. F. Naylor, of the perinatal research branch of the N.I.H., epidemiological studies are being carried out on spontaneous abortions as well as investigations into the possible immunological significance of placental weight.

Support for the work in this laboratory and the genetic service of St. Luke's Hospital Center is funded by the Children's Bureau, a division of the Department of Health, Education and Welfare, to the New York City Department of Health. St. Luke's Hospital is under contract to the health department to administer and develop this important program.

*Ultrasonic Research:* Under the direction of Dr. Lajos von Micsky, the biocoustical laboratory has continued to develop and perfect new instruments for applying ultrasonic scanning techniques to practical clinical problems. In particular, a specially designed manipulator was devised and constructed to improve the accuracy and performance of measuring certain important fetal head dimensions *in utero*. With

this instrument it is anticipated that hitherto inaccessible measurements of the fetus *in utero* can be obtained. When measured at regular intervals throughout gestation some estimate of the intra-uterine growth rate of the fetus can be achieved.

Some basic concepts regarding the actual source of tissue echoes, producing the resulting sonogram, were tested at a clinical level. Certain aspects of these theories were proven in part and additional studies are being carried out to further test these concepts. This work is being done in collaboration with personnel from the Department of Bio-engineering at Columbia University and is supported by research grants from the NIH and the NIH General Research Support Fund.

### Clinical Investigations

A number of retrospective and prospective studies have been conducted by members of the resident, out-patient department, and attending staffs. Some of these are in progress while others are being completed.

*Dr. Carl T. Javert*, attending obstetrician-gynecologist, concluded and published his prospective studies on the use of the Hodge pessary in the management of habitual abortions.

*Dr. Edward J. Sivigny*, attending obstetrician-gynecologist, initiated a retrospective study evaluating the clinical course and end results of vaginal repair and vaginal hysterectomy operations at Woman's Hospital.

*Dr. Harold M. M. Tovell and Dr. Elise Renning*, attending obstetricians-gynecologists, in association with *Dr. Leonard Liegner*, attending radiotherapist, continued a retrospective clinical pathological study of the treatment and end results of cervical cancer.

*Dr. Graham G. Hawks*, attending obstetrician-gynecologist, completed a detailed report of the 1965 obstetrical service covering over 2,800 obstetrical discharges. The material forming the basis of this report was obtained from the obstetrical code sheets submitted

monthly to the obstetrical statistical cooperative at the State University of New York, Downstate Medical Center.

*Dr. Bernard N. Nathanson*, associate attending obstetrician-gynecologist, collaborated with Dr. Leonard Liegner, director of radiotherapy and Dr. John Rudolph, resident in obstetrics and gynecology in the study of three patients designed to verify the calculated dosage to critical points in the pelvis during the radium treatment of carcinoma of the cervix.

*Dr. Ian Van Praagh*, assistant attending obstetrician and gynecologist, concluded and published his studies on the efficacy of the single dose paracervical block anesthesia for relief of pain in the first stage of labor and for dilatation and curettages. Based on the results of these studies, and others, this procedure has now become a standard practice, when indicated, in both the labor room and operating room of the Hospital Center.

Dr. Van Praagh has continued his retrospective study evaluating both the maternal and fetal aspects of Cesarean section operations performed at the Woman's Hospital. Though this continues to be a prospective study, the following particular studies have been concluded and either submitted for publication or have been published: (1) "Cesarean Section for Fetal Distress," (2) "Primary Cesarean Sections in Multiparas," (3) "A survey of 1,477 primary Cesarean Sections," (4) "A survey of 21 Cesarean Hysterectomies," (5) "A survey of 15 twin sets delivered by Cesarean Section."

Dr. Van Praagh has studied the use of intravenous alcohol in a few selected cases of premature labor, following the protocol used by Dr. F. Fuchs, at the New York Lying-In Hospital. In a small group of carefully selected patients studied to date, the technique appears to offer an effective method of arresting premature labor and avoiding the hazards of infant prematurity.

*Dr. Stuart Oster*, assistant obstetrician-gynecologist, has continued his studies on the efficacies of a 21-day contraceptive pill. In collaboration with Dr. Tovell, a study was concluded and published on the use of contraceptive pills in the 41-year-old and older female. In col-

laboration with Dr. Francis X. Pi-Sunyer of the department of medicine, studies were completed and submitted for publication on certain aspects of carbohydrate metabolism in patients using progestational contraceptive agents.

*Dr. John S. Aldridge*, assistant attending obstetrician-gynecologist, completed the survey of the five-year end-results in the treatment of carcinoma of the cervix on the gynecologic service for 1955-1960. These results were published in the fourteenth volume of the *Annual Report*, under the patronage of the International Federation of Gynecology and Obstetrics. Currently the statistics for carcinoma of the cervix and vagina for the years 1956-1961 are being tabulated and prepared for publication.

During the past years, notably from 1955 through 1965 problems related to changes in the record room activities and personnel, and the loss of fourteen members of the staff, the follow up of patients treated for these gynecologic cancers have been extremely difficult, and in turn is reflected in the relatively low five-year cure rates. It is hoped that these presently existing weaknesses and deficiencies in obtaining complete follow-up data will be eventually corrected.

*Dr. Albert Altchek*, clinic assistant in the out-patient department, in collaboration with Drs. Tovell and Richard N. Pierson, Jr., director of the radio-isotope laboratory, is studying a series of patients with specific gynecologic and obstetrical conditions who are undergoing certain gynecologic-surgical procedures, in an attempt to evaluate current lung scanning techniques as a means of diagnosing sub-clinical pulmonary embolic disease. In a preliminary report studying fourteen private patients, six patients were found to have asymptomatic pulmonary emboli. In addition heavy smokers were found to have lung scan abnormalities.

*Dr. Daryl Murdoch*, resident in obstetrics and gynecology, completed a review of a series of twin gestations encountered on the obstetrical service. In collaboration with Dr. Tovell, the evaluation of the pre-sacral neurectomy operation performed at the Woman's Hospital



was completed. With Dr. Jack Bertles, director of the hematology laboratory, and Dr. Nathanson a patient with Sick cell disease in pregnancy receiving exchange transfusions was studied and reported in depth.

## Staff Activities

### *Presentations, Honors and Awards:*

*Dr. Locke L. Mackenzie*, consultant in obstetrics and gynecology, was elected president of the Third Pan American Cancer Cytology Society Conference in New York City. He was also appointed as chairman of the Special Committee on Abortion Law Reform and Voluntary Sterilization of the Medical Society of the County of New York for the year 1967-1968.

*Dr. Harold M. M. Tovell* was elected to membership in the Continental Gynecologic Society. He continued to serve as national chairman of the American College of Obstetricians-Gynecologists Committee on Continuing Education of Obstetricians and Gynecologists. He was elected chairman of the section of OB-GYN of the New York State Medical Society and continued to serve as an examiner for the American Boards of Obstetrics and Gynecology, on the Council of the Obstetrics and Gynecology Section of the New York Academy of Medicine and the Medical Board of the Maternity Center Association.

*Dr. Bernard N. Nathanson* was appointed director of gynecology at the Hospital for Joint Diseases in New York City.

*Dr. Barbara Johnston* was awarded an honorary degree of Doctor of Science by Hobart College in Geneva, New York.

*Dr. Lajos von Micsky* was reappointed to the executive board of the American Institute of Ultrasonics in Medicine.

### *Appointments and Promotions:*

*Dr. Graham G. Hawks*, attending obstetrician-gynecologist, was appointed assistant director of the obstetric-gynecology service in charge of obstetrics, to be effective January 1, 1968.

*Dr. William G. Kelly, (Ph.D.)* was appointed to the scientific advisory staff of the Hospital Center as director of the reproductive endocrinology laboratory.

*Dr. Dorothy Warburton, (Ph.D.)* was appointed to the scientific advisory staff of the Hospital Center as director of St. Luke's genetic service.

*Dr. Esther Weisfogel* was appointed as clinical assistant in the outpatient department as gynecologist in the combined gynecologic-dermatology clinic.

*Dr. Albert Altchek* was appointed as clinical assistant in the outpatient department as gynecologist in the combined pediatric-gynecology clinic.

#### *Retirements:*

*Miss Gwendolyn Collier* resigned her position as assistant director of nurses, in charge of the obstetric and gynecology nursing services to assume an appointment as director of nurses at the Passavant Hospital in Chicago and associate professor of nursing at Northwestern University in Chicago. Her tireless efforts in developing, over five years, a strong and well-qualified obstetrical and gynecological nursing service at Woman's Hospital will always be remembered.

#### *Publications, Lectures and Talks:*

Ten members of the active teaching staff presented either major lectures or talks at various local, regional, or recognized out of town hospitals, or at medical meetings, or both. These were given by Drs. Mackenzie, Javert, Tovell, Van Praagh, von Micsky, Pierson, Altchek, Johnston and Murdoch.

Seventeen papers were either published or accepted for publication in the scientific literature by nine members of the staff during the year and are listed elsewhere. These were contributed by Drs. Javert, Toveil, Nathanson, Van Praagh, Oster, Altchek, Kelly, Johnston and Murdoch.

In collaboration with the department of surgery, the obstetrical and gynecological service was host to the Brooklyn and Long Island Chapter of the American College of Surgeons. Operative clinics were demonstrated and eight talks were presented by members of the staff including Drs. Hawks, Tovell, Van Praagh, von Micsky, Oster, Altchek and Murdoch.

*Honors, Contributions and Donations:*

Official recognition was made in the year by the trustees and by friends of the late Dr. Ralph L. Barrett by the formal presentation of a plaque, dedicating the Cesarean section delivery room to the memory of this distinguished obstetrician-gynecologist, who served on the attending staff of the Woman's Hospital from 1932 to 1955.

Mrs. Felicia Delafield Van Praagh was elected to the assistant board of the Woman's Hospital and was appointed chairman of the social service committee of the board. Mrs. Van Praagh, formerly assistant director of social service in St. Luke's Hospital Center, in charge of the social service activities of the department of obstetrics and gynecology is eminently qualified for this vital and responsible position.

The obstetrical and gynecological service is constantly indebted to its many friends, who are convinced of the service's dedication to the excellence of patient care, teaching, and research activities, and who have contributed to these programs throughout the year. We are particularly grateful to the Avalon Foundation, Robert Sterling Clark Foundation, Cross Ridge Foundation, Huber Foundation, Lillis Foundation, Minton Fund, Edward John Noble Foundation, Mildred Anna Williams Fund, Ortho Pharmaceutical Corporation and to Mrs. Thomas L. Clarke, Jr., Dr. Arthur M. Davids, Mr. Howland Davis, and Mrs. W. R. Grace.

To the assistant board of Woman's Hospital a special debt of gratitude is acknowledged for its help in equipping the steroid chemistry laboratory.

**TABLE I**  
**Obstetrical and Gynecological Clinic Visits**

	1963	1964	1965	1966	1967
OBSTETRICS .....	13,535	13,183	12,458	12,071	13,819
GYNCOLOGY .....	13,828	11,316	10,985	14,960	15,058
TOTAL .....	<u>27,363</u>	<u>24,499</u>	<u>23,443</u>	<u>27,031</u>	<u>28,877</u>

**TABLE II**  
**Obstetrical and Gynecological Hospital Admissions**

	1963	1964	1965	1966	1967
OBSTETRICS					
Wd .....	1,680	1,544	1,498	1,642	2,010
Semi-Private .....	668	599	617	774	781
Private .....	342	306	281	233	277
TOTAL .....	<u>2,690</u>	<u>2,449</u>	<u>2,396</u>	<u>2,649</u>	<u>3,068</u>
GYNCOLOGY					
Wd .....	1,050	1,076	1,028	986	780
Semi-Private .....	1,592	1,518	1,390	1,138	1,328
Private .....	514	592	538	415	341
TOTAL .....	<u>3,156</u>	<u>3,186</u>	<u>2,956</u>	<u>2,539</u>	<u>2,449</u>
GAND TOTAL .....	<u>5,846</u>	<u>5,635</u>	<u>5,352</u>	<u>5,188</u>	<u>5,517</u>

**TABLE III**  
**Viable Deliveries**  
**(1000 gms +)**

	1963	1964	1965	1966	1967
Wd .....	1,423	1,434	1,288	1,360	1,527
Private & Semi-Private .....	1,046	970	914	865	834
TOTAL .....	<u>2,469</u>	<u>2,404</u>	<u>2,202</u>	<u>2,225</u>	<u>2,361</u>

**TABLE IV**  
**Perinatal Mortality**

	1965			1966			1967		
Weight (gms)	Total Births	Total Perinatal Deaths	% Perinatal Mortality	Total Births	Total Perinatal Deaths	% Perinatal Mortality	Total Births	Total Perinatal Deaths	% Perinatal Mortality
10- 999	10	10	100	17	16	94.11	22	18	81.81
100-1499	22	10	45.45	18	6	33.33	18	7	38.88
150-1999	49	8	16.32	61	3	4.91	46	7	15.78
200-2499	104	7	6.73	123	3	2.43	127	1	0.78
250 and over	1,855	20	1.07	1,929	9	0.46	2,152	8	0.37
TOTAL:	2,040	55	2.69	2,148	37	1.72	2,365	41	1.73

**TABLE V**  
**Operative Obstetric Deliveries**

	<u>1967</u>			<u>Totals</u>			
	<u>Ward</u>	<u>Pvt. &amp; S. Pvt.</u>	<u>1967</u>	<u>1966</u>	<u>1965</u>	<u>1964</u>	<u>1963</u>
Cesarean Section . . . .	107	98	205	223	223	257	266
Primary . . . . .	63(4.1%)	59(7.0%)	122(5.1%)	111(5.0%)	136(6.5%)	159(6.5%)	145(8.2)
Repeat . . . . .	44(2.9%)	39(4.7%)	83(3.5%)	112(5.2%)	87(4.1%)	98(5.0%)	121(5.1)
Low forceps . . . . .	589	378	967	784	776	838	1,172
Mid forceps . . . . .	91	50	141	61	113	177	142
Breech deliveries . . . .	19	37	56	54	56	87	95
Therapeutic Abortion							
Rate* (No.) . . . . .	1:139(11)	1:38(22)	1:72	1:123	1:85	1:50	1:69

\* per viable delivery

**TABLE VI**  
**Gynecology Operations**

	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>
Ward . . . . .	1,144	977	1,012	1,129	1,000
Private & Semi-Private . . . . .	2,031	1,990	1,873	1,634	1,800
TOTAL . . . . .	<u>3,175</u>	<u>2,967</u>	<u>2,885</u>	<u>2,763</u>	<u>2,800</u>

**TABLE VII**  
**Gynecologic Cancer Cases Diagnosed**

	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>
Ward . . . . .	32	38	27	53	40
Private & Semi-Private . . . . .	53	77	46	84	100
TOTAL . . . . .	<u>85</u>	<u>115</u>	<u>73</u>	<u>137</u>	<u>140</u>

# Ophthalmology

Graham Clark, M.D., Director

## 1967

was marked at its close by the retirement of Dr. Harry Eggers, the former director, after ten years of faithful and productive service. During his administration the department grew in both size and stature, now having four residents with training affiliation with both the Columbia-Presbyterian Institute of Ophthalmology and the ophthalmology service of New York University's eye department.

Through Dr. Eggers' foresight in increasing both the resident and attending staff, the department has been able to provide up-to-date and efficient service to our increasing hospital and out-patient needs.

The out-patient clinic has shown the most dramatic growth with a total of 10,969 visits by 5,901 patients, 2,364 of which were new patients and the associated surgical load has provided excellent training opportunities.

As in the past, our nursing support is headed by Miss Mary Ann Smith in the out-patient department, Miss Helen Benford in the Stuyvesant-3 in-patient facilities and Mrs. Rosita Garcia in the operating room. These capable and gracious ladies are, with their assistants, responsible for the excellence of the care of patients and physicians alike.

Future plans include such changes as the times dictate and the anticipation of needs and opportunities opening in the foreseeable future. Chief among these plans is the accent on the aid to and co-operation with the other services toward the end that was the beginning of our fine hospital: the best possible care for the total man.







# Oral Surgery and Dentistry

Edward Stroh, D.D.S., Director

The transformation of an established clinically oriented training service, where patient care and teaching are paramount, to a more academically oriented service, without loss of fundamental principles of patient care is difficult to achieve. An academic program involves a harmony between teaching, research and patient care. The basis for such a balance has slowly been established during the past several years, so that now the department of dentistry and oral surgery is about to embark upon a new, more academically oriented service, and is beginning to operate smoothly in all of these areas under a full-time director.

<u>STATISTICS:</u>	<u>1966</u>	<u>1967</u>	<u>Increase</u>	<u>% Increase</u>
New Patients .....	1,510	2,279	769	50%
Number of Patients .....	1,963	2,735	772	40%
Total OPD Visits .....	4,230	5,396	1,166	25.5%
Examinations and Treatments on Other Services .....		3,400		
Grand Total .....		8,796		
Number of Patients Admitted to Oral Surgery Service .....	95	125	30	34%

This substantial increase in patient population is providing a wider range of teaching material for the house staff.

During the year four new men were appointed to the attending staff: Dr. Ashley Brown, oral pathologist, and Drs. Lawrence Himelfarb, Joseph Marged and Henry Ramsey. Dr. William Ferderber, an active member of the attending staff for many years, was promoted to consultant.

The weekly and monthly conference schedule has been embellished and with participation by both attending and house staff includes:

- Monthly Staff Conference
- Cleft Palate Conference
- Oral Pathology Conference (biweekly)
- Journal Club (monthly)
- Staff Lecture (monthly)
- Oral Surgery and Trauma (weekly)
- Followup Clinic
- Quarterly Seminars

Routine examination of all medical and pediatric admissions and all new prenatal OPD patients has enabled the house staff to observe and treat a wider variety of diseases of the oral structures.

During the past year, the foundation has been laid for the establishment of formal training at St. Luke's to satisfy the American Board of Oral Surgery's requirement for one year's didactic training for certification. This year of post-graduate academic training would be integrated with the year of internship and residency, thus creating a three-year accredited program wherein the trainee can obtain didactic and clinical training at the same time and in the same institution. The basic sciences studied would be: anatomy, pathology (general and oral), physiology, biochemistry, pharmacology and microbiology. In addition, the principle of radiology, radiographic diagnosis, anesthesia and internal medicine would be covered.

Mr. Charles Kawada of the community health studies unit, conducted a survey of the 250 dentists practicing in the Hospital Center district during the summer of 1967. Their interest in a continuing education course in hospital-oriented dentistry at St. Luke's was very gratifying and the results of the survey clearly emphasized the need and desirability to establish such a course, covering such areas as:

- Physical diagnosis
- Indications and contraindications for oral surgery
- Specific disease states and their effect on the oral apparatus

Joint management of cases of medico-dental interests  
 Dental treatment and its effect on ill patients  
 Clinical oral pathology and diagnosis  
 Oral surgery and trauma  
 The emergency room  
 Admitting procedures and contact with referring doctor  
 Plans are going forward to start this course in 1968.

### *Research*

The study being conducted at this time by members of both Attending and House Staff, made possible by a general research support grant of St. Luke's Hospital Center is: "Etiology of Elevated Temperature Following the Multiple Extraction of Teeth Under General Anesthesia."

### *Staff Activities*

Eugene Ball, D.D.S. was a delegate to the American Dental Association convention. He was also appointed to the committee for the Greater New York Dental Meeting and is chairman of the hospital dental services committee of the First District Dental Society replacing Edward Stroh, D.D.S.

Edgar Buehler, D.D.S. was appointed attending dentist to the Isabella Geriatric Center.

William Ferderber, D.D.S. is a member of the board of governors of the Northeastern Dispensary.

Louis Haase, D.D.S. gave a series of lectures on dental hygiene in the public schools under the auspices of the First District Dental Society.

Edward Stroh, D.D.S. was elected for a second term as president of the Metropolitan Conference of Hospital Dental Chiefs.

The success of our programs and the service in general is directly due to the tireless efforts of the members of the staff and the unqualified cooperation and interest of other services and administration.

Future needs for continued accreditation of the service and the care of the sick and injured of the community clearly indicates the necessity of a larger, more diversified staff and physical facilities.



# Otolaryngology

Stanley Whitfield, M.D., Director

## General

As facilities, equipment and personnel availability allowed, the department continued to expand during 1967 in order to keep abreast of the routine services and also the advancements customarily associated with a modern ear, nose and throat department.

Perhaps the most significant endeavor in 1967 was the introduction of cryosurgery as it applies to ear, nose and throat surgery including surgery of the head and neck. This was under the direct control of Dr. Stanley Whitfield and until more experience is gained, has been limited to cryo-tonsillectomies in adults and cryosurgery of advanced malignancies in the head and neck region. Results so far have been encouraging.

## Staff Changes and Promotions

During the year several senior members of the staff reached the mandatory age for retirement and will be appointed as consultants. The doctors affected are Orrin E. Anderson, A. Reginald Everett, and James C. Kirkbright. This points up one of the staffing problems of the department, namely the continued difficulty of encouraging younger, well-trained ear, nose and throat doctors to remain in the Manhattan area and participate in active teaching programs. This is not an uncommon situation in other major ear, nose and throat teaching units, and is not unique to St. Luke's Hospital Center. The staff of our department consists of six active staff members involved in the resident training program as opposed to nine consultant members of the staff, which is an obvious imbalance. If no major improvement in the ratio can be accomplished in the near future, serious consideration will have to be given to more intensive utilization of para-medical personnel, especially in routine administration, working of vestibular clinics, etc., in order to ensure the continued improvement and expansion of the department.

Dr. Arthur Brenner was called to duties with the U.S. Army and is currently stationed at Fort Bragg, North Carolina. Dr. Taddeo Laiacona completed his year as senior resident and is now in practice at Vineland, New Jersey.

Dr. Agadurappa Mahadevaiah was promoted to senior resident. Dr. George Jackson was promoted to second-year resident. The department was pleased to welcome Dr. Mauriciu Rodescu as first-year resident.

Miss Sheila Belkin joined our staff as senior audiologist. She has had experience in the field of audiology and speech therapy, and is a welcome addition to the department. Her previous appointment was that of editorial associate of the American Speech and Hearing Association.

### Staff Activities

Several members of the staff attended the various national ear, nose and throat meetings during the year.

Dr. Whitfield attended the rhinoplasty and otoplasty symposium organized under the auspices of Columbia University. In Chicago he attended the third workshop on microsurgery of the ear.

Dr. Duncan McCuaig was elected president of the New York Laryngological Society.

Dr. Samuel Boor attended the third workshop on microsurgery of the ear in Chicago. He continues to supervise the Vestibular Clinic. The work of this clinic is expanding and is one of the areas in which the use of technicians and paramedical personnel will have to be considered in the near future to supplement the medical staff.

Dr. Ira Rothfeld attended a workshop on maxillofacial surgery and facial trauma sponsored by the ENT department of the University of Iowa. He continues as an instructor on the rhinoplasty and otoplasty course which in the future will be organized under the auspices of the Mt. Sinai School of Medicine rather than by Columbia University as in the past.

Mr. Paul Burgess, our senior speech therapist, and Miss Sheila Belkin, attended the American Speech and Hearing Association convention in Chicago.



Miss Sheila Belkin attended a seminar on "Hearing Aids and Hearing Aid Evaluation" sponsored by Teachers College of Columbia University.

Because of their quiet, efficient industry and constant cooperation they tend to be forgotten. However, the department is grateful to the following ladies for their fine work: Miss Helen Benford, our head nurse, Mrs. Cruz Nieves, in charge of our treatment room, Miss Diane Bell, in charge of our operating room, Mrs. Marilyn Paradiso, in charge of our clinic, and Miss Barbara O'Brien, our executive secretary, who helps pull it all together. It is gratifying to work with a group of co-operative people who have a genuine interest in patient care.

### Operating Room

Constant revision and updating of the instrumentation continues in order to keep pace with modern developments in ear, nose and throat surgery including head and neck surgery. The fine instrumentation is becoming so delicate and complex that specially trained personnel are required, not only for assistance at the actual procedure, but also to adequately supervise the care and maintenance of that equipment. As already mentioned the preliminary step was taken in the field of cryosurgery.

Preliminary steps have also been taken to investigate and institute the use of ultrasonics as a means of destroying the labyrinth in Meniere's disease and allied conditions. It is hoped that we might be more active on this during 1968.

The amount of middle ear surgery with prosthetic replacement of the stapes for a conductive hearing loss is, happily, showing an increase.

The department was involved in a cooperative effort with Dr. Robert Schick of the department of neuro-surgery in the early diagnosis and surgery of acoustic neurinoma. This was a good example of the harmonious combination of the skills, training and equipment of two specialty departments for the benefit of the patient allowing early removal of a very small brain tumor with a marked decrease in morbidity. Such procedures are being carried out in relatively few centers.



## Clinic

During the year the physical aspects of the clinic were altered with the addition of new partitions, instrument cabinets, etc., allowing more efficient operation. Equally important, the alterations have given the clinic a more modern appearance and allow more privacy in examination and treatment of patients. This is important in the present period of expanding health services. The reconstruction and re-equipment should be completed in 1968.

The number of clinic visits in 1967 increased by approximately fifteen percent. This would appear to indicate that community members are satisfied with the care and attention they receive from the department.

## Resident Training

There is adequate clinical training material for the residents' program. If the clinic load continues to increase, consideration may have to be given to increasing the resident staff.

Resident staff members, in addition to their clinical training in the hospital, attend the basic science course in otolaryngology of Columbia University, with the attending staff of the department participating in a teaching capacity. In addition residents complete the arduous correspondence course of the American Academy of Otolaryngology. I am also pleased to report that as the caliber of our residents improve, the more frequently they are seen at the various local meetings and clinics organized by other institutions and groups in the New York City area.

A further measure of the improvement in the training program is the fact that for the first time our senior resident, Dr. Mahadevaiah in conjunction with Dr. Whitfield, delivered a paper at the New York College of Medicine, ENT section. The paper was titled "True Benign Rhabdomyoma of the Larynx."

## Hearing and Speech Department

At last we have a good basic staff from which to expand. Mr. Paul Burgess, our speech therapist, has been with us several years and has proved his worth. As previously mentioned, Miss Sheila Belkin, our

audiologist, will form a sound basis for our audiology department.

Dr. Karol Karsai, who recently arrived in this country from Czechoslovakia, where he was an ear, nose and throat specialist, is temporarily supporting the work of the hearing and speech department. It is important to have his assistance, as the newer techniques in audiology, which give us much more extensive information about the patient's hearing ability and problems, are also very time-consuming.

Regretfully Dr. James Kirkbright's services as the director of the department came to an end in 1967 on his retirement. Dr. Kirkbright had been director of the department for many years and was instrumental in the development and achievements of this department. He will continue as a consultant to the department and we hope to have many years in which to utilize his fine services.

Dr. Samuel Boor has been appointed acting director of the department. The appointment will be for at least one year while consideration is being given to re-organization and expansion.

### Statistics

A total of 7,418 visits were recorded in the ear, nose and throat clinic—an increase of approximately fifteen percent from the previous year.

In the hearing and speech department there were 1,415 visits for hearing problems and 1,685 visits for speech problems, making a total of 3,100 visits. This represents approximately a ten percent increase from the previous year. Most of the increase has been in the audiology section, a measure of the better staffing in this section. It is significant that the number of hearing tests has increased, despite the fact that many of these tests have become more complicated. The speech section has not shown such a substantial increase largely because it has reached the saturation point in relationship to available personnel. A total of 219 ENT consultations were performed by the department at the request of ward services of other departments. This is still considered an inadequate number.

A total of 496 ward operations and 372 private operations were performed by the Service. This represents a drop in the number of private operations, and this possibly reflects the reduction in the number of active members of the attending staff.



LONG HOSPITAL CORP  
R. HASHI  
M.D.

# Pathology

Charles F. Begg, M.D., Director

**T**he department of pathology, in addition to being actively engaged in conferences for its own residency staff, has held conferences with the departments of gynecology, urology, surgery, medicine, otolaryngology, orthopedics and radiology, presenting and discussing material pertinent to each service. The thyroid clinic is visited once a month, at which time slides are presented and cases discussed. The department also participates in the weekly tumor conferences.

The professional staff of the department has travelled extensively throughout the United States, attending meetings and seminars, and hosted the Pathologists' Club of New York at a seminar held at the Hospital Center. Each of the pathology attendings has been engaged in an intensified teaching program of the second-year pathology students at the College of Physicians and Surgeons, participating in lecturing, laboratory instruction, and seminars. A successful pathology externship program for a group of Columbia students was held during the latter part of 1967.

In our anatomical division, cytology specimens and autopsies have shown a considerable increase in number. The new decalcifying technic we have introduced has proven very effective in hastening the processing of bony and calcified tissue.

In clinical pathology, the volume of work has greatly increased in all divisions: hematology, chemistry, and bacteriology. A four-channel autoanalyzer has been installed in the hematology laboratory, and a twelve-channel autoanalyzer has been added to the autoanalyzers already in use in the chemistry laboratory. Our laboratories serve as a reference laboratory for the department of health, and our chemistry division had an outstanding performance record: in only seven tests out of 494 did our results differ from those of the department of health. This is an excellent record when compared with other laboratories throughout the New York area.

In the bacteriology laboratory, routine tests are constantly being monitored with the view to deleting tests no longer of value, and adding tests proven more effective. As the result of a two-week course at the tuberculosis unit of the communicable disease center in Georgia, attended by our assistant bacteriologist, our tuberculosis laboratory has been completely revised. All mycology work is now under the supervision of one of the bacteriology technologists who recently completed a course in mycology at the College of Physicians and Surgeons.

## Investigations

Dr. Victor Bokkenheuser has continued his study of the incidence of *Vibrio fetus* in man, and has presented his findings at Cornell University, Veteran's Administration Hospital in Manhattan, the American Public Health Association, the New York Branch of the American Society for Microbiology, and Seton Hall University. He has also lectured in Denmark, Germany and Sweden, and was instrumental in the formation of groups in those countries that will also study *Vibrio fetus* infection in man. He has been invited to address the sixteenth annual meeting of the American College of Obstetricians and Gynecologists in May, 1968, and the annual convention of the American Veterinary Medical Association in July, 1968.

The joint study by Drs. E. Mosbach, Public Health Research Institute, and Dr. Bokkenheuser, has progressed satisfactorily. In particu-

lar, it has been shown that an anaerobic organism isolated in this laboratory from rabbit feces is capable of dehydroxylating bile acids in Vitro. This investigation is supported by a three year grant from the National Institutes of Health.

Dr. Stephen Ryan is continuing his research on the effect of injury of alveolar walls in the pathogenesis of emphysema. Under his supervision, the electron microscope has been used in some of our routine surgical pathology work.

Dr. Charles Begg, director of laboratories, is continuing as chairman of the City of New York Board of Examiners in the laboratory field inspection program. He has also continued as chairman of the general advisory committee for the blood bank program of the American Red Cross in Greater New York. In this capacity he played a key role in combining the activities of the American Red Cross and the Community Blood Council into a unified program for collection and distribution of blood and blood products in Greater New York. It is expected that this program will greatly increase the supply of blood to hospitals in this area. Announcement of the merger was carried in New York papers early in 1968.

Dr. Begg, at the invitation of the American Psychological Association, served as a panelist in a televised symposium in Washington, D.C., in September, on the subject of the role of the consultant.

#### Statistics for 1967

Biochemistry .....	223,484
Microbiology .....	68,950
Hematology .....	314,932
Anatomical pathology .....	19,441
TOTAL .....	<u>626,807</u>







# Pediatrics

Stuart Shelton Stevenson, M.D., Director

The patient load in the department of pediatrics continued to grow in 1967. Although the in-patient census remained essentially unchanged, the number of births and the number of out-patient visits increased by several thousand.

It is apparent that here, as elsewhere, pediatric practice is increasingly an out-patient service. The emergency room is replacing the physician's office and the house call as a treatment facility. Most visits do not represent true emergencies but really are acute illnesses; the pediatric emergency room has become an "acute care" clinic. Patients in all economic brackets visit it because their mothers are unable to find private physicians willing to see children; mothers bring children in the evening hours when fathers can remain home to care for the other children; mothers bring children at all hours because they are seen quickly and without previous appointment.

The need for more extensive pediatric out-patient facilities is more pressing than ever and the need for more practicing pediatricians in the St. Luke's area, as well as in all of Manhattan, is becoming almost desperate. The final effect of Medicaid upon out-patient pediatric practice is not clear as yet, but it seems to be creating an even greater number of pediatric out-patients.

Pediatric educators in the city agree that we must train our own attending pediatricians because, in general, men trained elsewhere are unwilling to move into New York City. At St. Luke's we try to appoint pediatric house officers who plan to remain and practice in the area. At this date, however, only one of our current house staff

plans to stay even as close as a neighboring area (Port Washington). One former house officer has returned to us after army duty and after only a few months in practice is overwhelmed by work.

The general practitioners in the neighborhood are of almost no help in supplying pediatric service. We have surveyed most of them and found that since they have ceased delivering babies they have little contact with newborns and children and evidently little desire for such contact. The decreasing number of medical students who elect pediatric training are intent on a full-time academic career and thus tend to be interested only in an internship and residency in a medical school setting. We are fortunate that the caliber of our present house staff is high, but these men were acquired only after extensive recruiting.

Plans are now complete for the new pediatric acute care and appointment clinic planned for the first floor of the Research and Special Services Building. These were formulated with great care and over many hours by Dr. Watkins and Dr. Stevenson, but the clinic may be inadequate in five years' time to handle the increasing flood of patients.

Adolescents in this city are a medically neglected group. We feel that an adolescent clinic must be established very soon if the department of pediatrics is to serve the community adequately.

### Staff and Teaching Program

The current house staff, as noted above, is excellent but was recruited with great effort and is short three interns. Dr. Zintel is rotating surgical interns through pediatrics which gives them vitally necessary experience with small infants and helps us with our staffing problem.

Our training program for future practicing pediatricians is the equal of any in the city. The unstinting help of our colleagues from other departments has contributed no small measure to this excellence.

Dr. Thomas Jenner Moore, who came with us in March primarily to establish a sound research program under Dr. Stevenson's guidance, is not only a well trained researcher but is also an accomplished clinician and teacher. In the short time that he has been here he has

contributed immeasurably to teaching rounds and conferences and to the overall house-staff training.

Dr. Stanley Brown has continued to offer us guidance and experience in pediatric surgery which we feel is unequalled in any other pediatric training program in the city.

Dr. Clarice J. Kestenbaum and Dr. Nathaniel Donson are offering training in pediatric psychiatry which is so badly needed and for which the house staff is most appreciative.

Dr. Carl Reindorf, recently appointed to the pediatric staff, is a pediatric hematologist and fills a real need in our training program.

Dr. Fadel Hochroth, also new to our staff, and Dr. Halpern are currently working as salaried physicians in the emergency room. Their presence there to guide the house officers represents a fundamental improvement in the training program in an area which we have always felt was somewhat lacking in adequate guidance.

Training in the care of newborn infants is possibly the most important and unique facet in a pediatrician's education. We have always stressed it and were most fortunate that Dr. Judith Frank was with us during the early months in the new Woman's Hospital. When she left us for the two years of her husband's army service, Dr. Robert Mack served most ably in this area for several months until he left for a teaching position in India. Currently we are delighted that Dr. Lucy H. Swift has agreed to carry on here in addition to her heavy responsibilities as pediatric cardiologist.

The excellence of the newborn division is apparent when one realizes that the mortality rates for our premature and newborn infants are among the lowest in the country. It should be noted that much of the credit for this rather superb record should go to the nursing staff at Woman's Hospital which surely is one of the finest to be found.

Pediatric allergy which looms so large in practice was a neglected area in our program until Drs. Polk and Kaloss came with us early this year to set up a pediatric allergy clinic. The clinic has thrived to the point where about 80 children are seen in each session and where separate and adequate physical facilities have been obtained.

Dr. Albert Altchek, a new member of the obstetrical staff, has set up a pediatric gynecology clinic. This is an area which is neglected in most pediatric training programs and is a welcome development.

Dr. Gilbert Fuld has rejoined the staff after military service. Although his load of private patients is heavy he is not only working in our pediatric clinic but is giving time to the Neighborhood Health Services Program and to Dr. Dargeon's tumor program.

Dr. Mary McMichael, after finishing her residency, was appointed to the assistant attending staff and although her office is in Port Washington she is giving faithful and valued service to the clinic.

Dr. Mary Ann Radkowski, after finishing her residency, was appointed to a fellowship in pediatric radiology at Babies Hospital. We are pleased with this appointment because it is in keeping with our philosophy that St. Luke's should give basic clinical training in pediatrics of such excellence that a house officer who so desires can go on to a major medical school center for post-graduate training in a subspecialty.

Dr. Ronald I. Platt finished his pediatric training, acting as chief resident during his last year, and is now serving two years in the army after which he plans to come back with us.

Dr. Stevenson finished his work as an author and editor of a new textbook, "Biologic Basis of Pediatric Practice," which is to be published by McGraw-Hill early in 1968. He also served as a consultant to Babies Hospital, Newark, New Jersey, advising on its present program and its future development as affected by the location of the New Jersey College of Medicine in Newark. He also served as secretary of the section on pediatrics of the New York Academy of Medicine.

It is our sad duty to report that Dr. Elvira Ostlund died August 29, 1967. She had given long and faithful service as a pediatrician and a pediatric cardiologist.

Again, we thank the department of religious services for their never failing help to our children, their parents, and to us in pediatrics.

## Nursing Service

Our nursing staff in both the newborn and Clark VII divisions continues to be unsurpassed in its competence, devotion, and loyalty. We are especially fortunate that Miss Joan Zwirek has been appointed pediatric supervisor on Clark VII, that Mrs. Leona Martin has been appointed supervisor of the newborn nurseries and that Mrs. Elizabeth Garfield has been appointed supervisor of OB-GYN nursing.

The problems of assigning beds on the pediatric service remain difficult for nursing and house staff. Throughout much of 1967 there was a waiting list although beds were empty because of the peculiar needs of pediatrics, e.g., a crib cannot accommodate an older child, a two-bed room cannot accommodate both an older boy and girl, one patient with a contagious disease ties up a two-bed room, a case of chickenpox which develops on the ward (which it does several times a year) necessitates closing the entire ward to further admissions for a variable period. It is often difficult to explain to a pediatrician who wishes to admit a patient why there is "no space" when the official census shows that beds are empty. The bed situation, incidentally, has been made even tighter because it was necessary to make a four-bed space temporarily into a laboratory area for Dr. Moore.

Miss Carol Diggery, who is our new playroom director, continues the fine work of her predecessors in this activity which is so important for the welfare of our children and such a unique teaching facility where house officers can more fully understand and observe the personalities and emotional problems of their patients.

## Affiliation with Columbia University

The department of pediatrics has become "coordinated" with its sister department at the College of Physicians and Surgeons by agreement between Dr. Stevenson and Dr. Edward C. Curnen, Jr., professor of pediatrics at Columbia University. Dr. Curnen is a consulting pediatrician on our service. Dr. Stevenson, who is clinical professor of pediatrics at Columbia, spent two months making teaching rounds at Babies Hospital.

Dr. Platt took an elective period in radiology at the same institution and, as noted above, Dr. Radkowski accepted a formal fellowship in radiology there.

In addition, our house staff attended the weekly grand rounds at Babies Hospital. Students from the College of Physicians and Surgeons, and from other schools, have come to us for elective training in pediatrics. However, Dr. Curnen has not yet assigned his students for their formal training in pediatrics here because he feels that there is abundant teaching material available at his institution.

We feel that our pediatric affiliation with the College of Physicians and Surgeons has become much closer and more meaningful and we feel that the fact that Dr. Moore is an ex-chief resident of Babies Hospital will further strengthen our affiliation.

## Research Program

The pediatric research program got off to a first rate start with the arrival of Dr. Moore. Although his temporary laboratory facilities were not finished and available until June he has already completed basic work in the field of cell membrane permeability. He is working closely with his colleagues in our department of internal medicine and at the department of chemical engineering at Columbia University.

It is well known that a good research program attracts good house staff applicants and it is gratifying to note that we have the largest and best qualified list of applicants for next year's interns and residents that we have ever had.

Dr. Stevenson is working on the problem of carbonic anhydrase deficit in premature infants—its possible importance in the etiology of the respiratory distress syndrome (the leading cause of death in premature infants), and the possibility of distinguishing true premature infants from stunted babies on the basis of their carbonic anhydrase levels.

## The Future

The research program is now well established and we must begin long term planning for its development and inevitable expansion.

We hope that medical students will be assigned to our service as a regular part of their pediatric training if and when the College of Physicians and Surgeons expands its student body. The presence of medical students on the wards and in the clinic helps to keep attendings on their toes, improves house staff training because the house officers learn as they teach and, it follows, helps insure the excellence of patient care.

The urgent need for an adolescent clinic has been noted above and becomes more acute each year.

The parents' room which is filling such a very real need remains stifling hot in summer and we are still hoping that some kind benefactor will air condition it for us.

Clark VII is dark and somewhat dreary for a pediatric ward. It needs brighter lighting, brighter walls and doors, appropriate curtains and colorful murals.

In long term planning, Clark VII should be completely redesigned with one-bed units for better and more economical utilization of the area.



# Physical Medicine

Shyh-Jong Yue, M.D., Director

**I**n the year 1967 the department of physical medicine continued its service to all areas of the Hospital Center, treating 18,186 patients and rendering a total of 41,029 treatments. This represents an increase over the previous year in both the number of patients treated and the number of treatments given.

The department took an active part in the development of the home care program. Dr. Yue served as a member of the medical advisory committee to the home care department. Mrs. Dolores Rogers joined the staff as a part-time occupational therapist assigned to the home care service and she has proven to be most valuable in helping patients to adjust themselves at home following discharge from the hospital. Physical therapy at home was rendered by staff members of the physical medicine department. Sixty home visits were made by the occupational therapist and 159 by physical therapists. A new position for a physical therapist exclusively for home care was created and this position will be filled as soon as a suitable person is available.

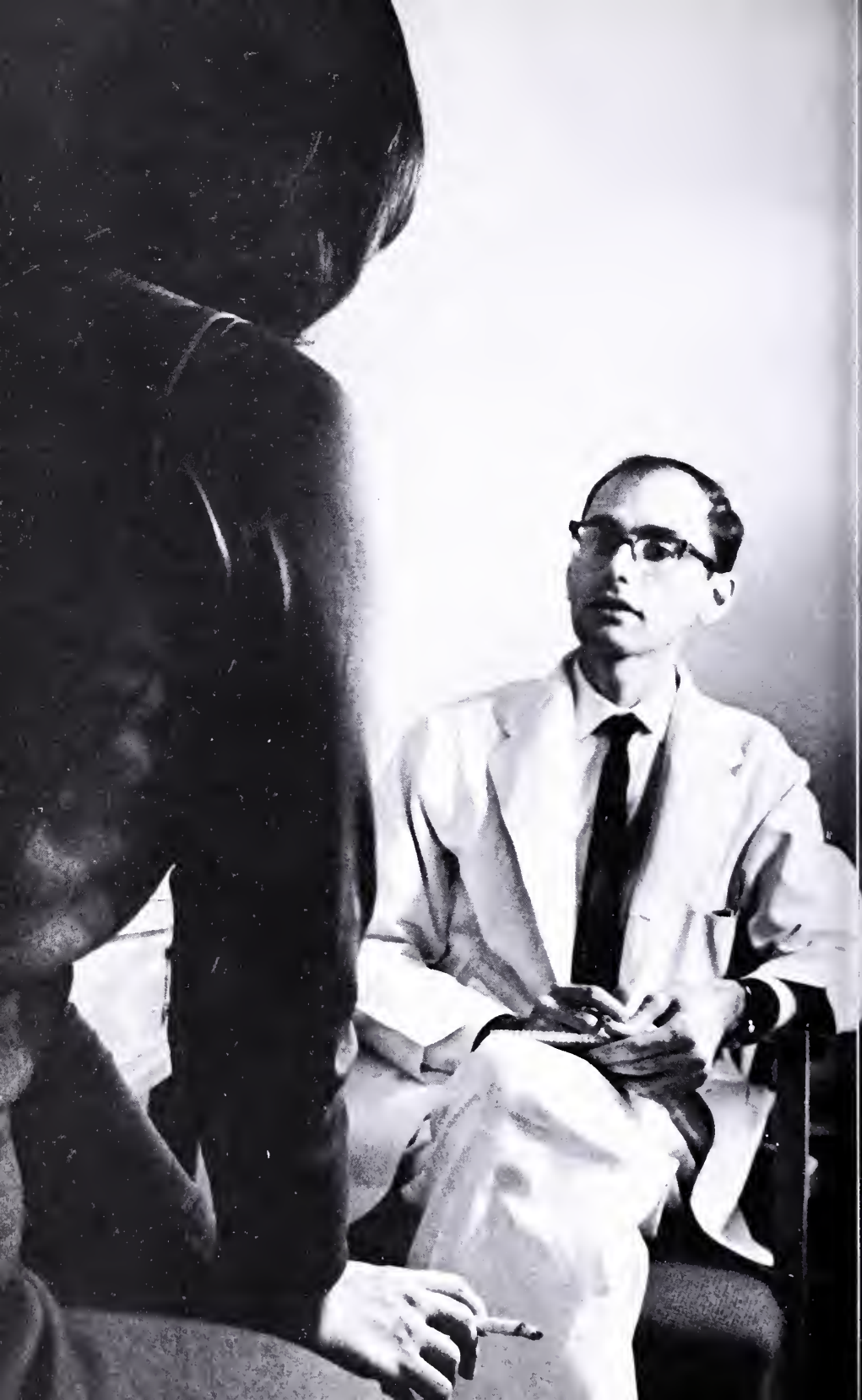
Due to increased demand for electrodiagnostic testing, a new electromyography unit with sensory and motor nerve conduction time was added to the department. This purchase was made possible by assistance from the neurological fund sponsored by Dr. Samuel Thomas for which the department and the Hospital Center are most appreciative.

The department continued to train students from the courses in

physical therapy at Columbia University as part of their clinical affiliation program.

Dr. Yue attended the annual meeting of the American Academy of Physical Medicine and Rehabilitation in Miami in August, and the American Academy of Cerebral Palsy in San Francisco in December. Dr. Rakic attended the International Meeting on Rheumatology in Lisbon, Portugal, on October 19, participated in the symposium and presented a paper on epidemiology of gout and hyperuricemia. He also delivered a paper at Downstate Medical Center December 20 entitled "Hyperuricemia and Gout—Interdisciplinary Seminar."

The continued assistance of the volunteers in transporting patients to and from the department is very much appreciated.



# Psychiatry

John M. Cotton, M.D., Director

**I**n 1967 the progressive movement of the psychiatric service of the Hospital Center toward comprehensive mental health center services for the St. Luke's community has accelerated rapidly and this movement is noticeable in the reports of every department of the service. In order to make possible the proper delivery of these services, the department has initiated a planning program to advise the administration and board of trustees of what the realistic needs of the community will be in the foreseeable future and the facilities that are necessary to deliver them.

The major innovation of the year in the department has been the establishment of "The Bridge," a half-way house type of facility especially organized for after-care and, if possible, pre-care of psychiatric patients. This new facility has been established and is being supervised by the community psychiatry division with the cooperation of the Community Mental Health Board and a voluntary board of local citizens.

The demands for our services in the community of every sort, whether the care of individual patients or community consultation, have become so great that it is clear that St. Luke's has become the principal mental health resource for the roughly 250,000 people in the area which it serves on the west side of Manhattan.

*In-Patient Service:* The in-patient service had the busiest year since its opening twelve years ago. In 1967 there were 522 admissions, 288 service and 234 private. This represents a marked change from last year when approximately forty-two percent were service patients and fifty-eight percent were private. In 1967 this percentage was reversed to approximately fifty-eight percent service and forty-two percent private. The reasons for this rather abrupt shift probably are accounted for by the increased demands from the community for local care of psychiatric problems covered by Medicaid. We have also been increasingly aware of the importance of Medicare in that forty-three patients of the total admitted in 1967 were over sixty-five years of age.

Another change not reflected in the figures is that there has been an increasing number of patients treated in the Hospital between the ages of sixteen and twenty-two. This increase in adolescent and young adult patients in psychiatric hospitals is a general trend throughout the country which is not fully understood.

Of the 519 discharges in 1967, 476 or ninety-three percent returned to their former function. Nineteen were referred to other services within the Hospital for medical care other than psychiatric and only twenty-four, or four-and-a-half percent, were transferred to other psychiatric hospitals for long-term care. The average length of hospital stay for patients remains at 20.5 days.

In-patient beds have shown a ninety-two percent occupancy during 1967 which is the upper limit of any efficient operation of the service and represents the very marked demand for bed space. Adequate space for patients and their care remains the largest single problem of the in-patient service.

*Adult Psychiatric Clinic:* 1967 was the first year in over ten years in which there was not a marked increase in the total number of referrals to the psychiatric clinic. Whereas in prior years the increase has been at least fifteen percent and often as high as fifty percent, this past year the number of referrals from all sources was 946, an increase of fourteen over the previous year.

With respect to individual sources of referral, the most striking change was in the number of referrals from the hospital emergency room. In past years, the increase in total number of patients referred has usually been associated with a marked yearly increase in emergency room referrals. This year, for the first time, there was a drop in the number of these referrals from a total of 149 in 1966 to 126 in 1967. This drop would appear to coincide with the opening in September 1967 of the emergency psychiatric service located in the emergency room of the hospital and described later in this report. The period of time involved is too short a one, however, to draw any conclusions as yet as to how the emergency service may affect the operation of the psychiatric clinic in the long run. Some hospitals have reported a marked increase in referrals to their psychiatric clinic after establishing an emergency service. It seems clear that many patients who would normally be referred to the clinic can be followed in the emergency room for brief crisis-oriented treatment, obviating the need for clinic care. However, case finding and the growing awareness in the hospital and the community that an emergency service exists may in the long run bring about an increase in the number of referrals from this source.

Referrals from the Columbia health service (fifty-four) doubled over the past year. This in part is a reflection of the growing need of the Columbia health service for a larger psychiatric staff which at present is considerably smaller than that of most eastern universities of its size. Since most of these student-patients need and are good candidates for intensive psychotherapy, the number that we can take on in treatment in the clinic is unfortunately small and many of them have to be referred to other clinics and resources.

Medicaid seems to have had little influence on the clinic operations to date except in the form of additional clerical duties for our administrative personnel. While the majority of clinic patients are eligible for treatment by a private psychiatrist under Medicaid provisions, and many in fact are already registered with Medicaid, in practice it has proven difficult to find private practitioners to refer these patients to. In addition, the clinic with its social work staff and its integral relationship with other clinics and services in the hospital, seems a more



suitable and acceptable source of help to many of our clinic patients than referral to a private psychiatrist.

Two psychiatrists, Dr. Frederic Alling and Dr. Martin Asnis, joined the clinic staff on a part-time basis to provide, with Dr. Samuel Thomas, an evening clinic which now operates two evenings a week. Thus, many patients who previously had to be referred on to other resources when they obtained a full-time daytime job are no longer penalized in this fashion for their improvement and can be provided with continued care here.

Dr. Benjamin Sadock has joined our staff as director of the group therapy program. Dr. Sadock, who has been in charge of group therapy training at Flower Fifth Avenue Medical School and Hospital, is holding a weekly seminar for residents throughout the year. Beginning with a didactic introduction to the basic concepts of group therapy, the seminar gradually moves into a continuous case supervision of the various groups in which the residents are participating.

Dr. Edward Kaufman and Dr. James Strain joined the staff to participate in the expansion and reorganization of our emergency room services. A twenty-four-hour emergency service (psychiatric walk-in clinic), located in the emergency room of the hospital, has been established and is staffed during daytime hours by an attending staff psychiatrist. Since its inception on September 1, 1967, the emergency room service has seen an average of eighty patient visits per month. Psychiatric emergencies and urgent psychiatric problems are dealt with immediately and limited follow-up and crisis treatment is offered. Patients requiring longer term care or social service intervention are appropriately referred. For many patients, immediate psychiatric hospitalization is arranged, but more frequently hospitalization is avoided by the use of dynamic crisis intervention.

In addition, consultations are immediately provided to all members of the emergency room team, including doctors, nurses, and clerks, in an attempt to share information regarding the meaning of patient behavior and symptoms. There is an attempt to enhance the entire emergency room treatment team's comprehension and ability to cope with patients in a more effective manner.



Finally, the psychiatric emergency room service provides an immediate information and referral source to the entire hospital community and environs. Queries of a psychiatric nature often requiring immediate action may be directed to the staff psychiatrist in the emergency room, thus providing an emergency advisory and consultative service to the hospital at large.

The space problem in the psychiatric clinic remains an acute one and the lack of sufficient offices continues to severely hamper the overall functioning of the clinic. Although the clinic has expanded six or seven times in terms of staff and the number of patients being seen, it is still using the same quarters that it started with when it opened in 1954. Needless to say, further expansion of clinic activities, addition of more staff, and even the effective performance of our present staff will have to await the hoped-for arrival of larger quarters.

*Training and Research:* Dr. Benjamin Balser, the director of training and research from the beginning of the psychiatric residency program in 1958, resigned from that position on July 1, 1967 in order to spend more time on the Secondary School Research Project. Dr. Robert Michels was appointed to replace Dr. Balser.

The residency program is approved for the full three years of training in general psychiatry and two years in child psychiatry. At the end of 1967 there were thirteen full-time residents and fellows in the program. Three residents completed their training in 1967, and six are expected to start on July 1, 1968. The National Institute of Mental Health has demonstrated their continued enthusiasm for the training program by renewing their support for a second period of seven years, effective July 1, 1967.

The department continues to assume responsibility for training many health service professionals in addition to the psychiatric residents. During the past year this has included contact with residents from other psychiatric hospitals, general practitioners from the community, school teachers, and students from the College of Physicians and Surgeons, the Columbia University School of Social Work, the

Union Theological Seminary, Teachers College, and a variety of other departments of Columbia University. In addition, we have inaugurated a pilot program of training community workers without previous professional education.

Dr. Robert Senescu, professor and chairman of the department of psychiatry, University of New Mexico Medical School, and Dr. Gerald Caplan, clinical professor of psychiatry at Harvard Medical School, were scheduled as visiting professors during 1968, each spending several days in the department participating in the teaching activities and presenting a formal paper. Dr. Hugh Butts and Dr. Irwin Feinberg will serve as visiting senior psychiatrists, participating in the regular clinical teaching rounds of the department.

The mental health study in college preparatory schools continues its progress on schedule. During this third year of the study, the final ninth grade classes were rated by their teachers on the Balser prediction chart, bringing the number of ninth graders so rated to a total of 2,284. Four-hundred-twenty-one of these students are predicted failures; half of these have or will receive special attention from the psychiatric consultant, guidance personnel and teachers at their schools in an attempt to prevent their actual failure. To date, 299 project students have moved out of the seven schools, and some have transferred several times during the course of the three years. Follow-up on all transferring students continues.

In addition to the service and research aspects of the project, training in school consultation has been conducted for third year psychiatric residents from the departments of psychiatry at St. Luke's Hospital Center, New York State Psychiatric Institute and Babies Hospital in Columbia Medical Center in New York.

A project to study the impact of severe psychopathology on the careers of college students moved into its second year, and a study of the interrelations of personality and psychopathologic variables and cognitive types is being organized.

*Child and Adolescent Psychiatry:* The past year has seen an expansion and consolidation of existing services, and plans made for new pro-

grams in the immediate future. The division continued to offer a wide range of evaluation, treatment and consultation services to the Hospital Center and the community, part of which is summarized in the following Table, with 1966 figures for comparison:

	<u>1966</u>	<u>1967</u>
Referrals .....	410	437
Cases seen for consultation or evaluation .....	158	191
Total clinic visits .....	3,577	3,175
Number of patients discharged .....	157	114

Treatment approaches offered to children and their parents included individual psychotherapy, group psychotherapy for adolescents and parents, pharmacological therapy, and the therapeutic nursery school program for severely disturbed pre-school children. The therapeutic nursery school expanded from one to two classes with the addition of another teacher and assistant teacher, enrolling a maximum of twelve pre-schoolers in this intensive day treatment program designed to provide a corrective ego experience in association with individual tutoring and parent case-work. Plans are under-way to expand to three classes in 1968.

Among their other activities during 1967, members of the division participated in a series of seminars provided to the guidance counsellors from area schools, inaugurated the didactic course for psychiatry residents with a series of seminars on normal growth and development, expanded further the liaison and consultation service with Pediatrics, and provided a series of seminars with the pediatric nursing staff.

We were fortunate in retaining the services of all members of the staff from the preceding year, adding an additional social worker in the clinic and teachers for the nursery school staff.

Training was provided to career residents in child psychiatry, residents in general psychiatry, psychology interns, students from Union Theological Seminary, and students in special education at Columbia University Teacher's College.

Plans are underway to establish a separate comprehensive adolescent service, a day treatment program for school age children with

conduct disorders, and hopefully to move into larger quarters during 1968, making possible a further increase in staff and services.

*Community Psychiatry:* During its five-year history, the division of community psychiatry has functioned in serving the community in innovative and imaginative ways. In the year 1967 this approach has continued as the division has expanded its services. The principles of community consultation have continued. Consultative relationships have been ongoing with the following: the Board of Education, guidance and attendance counselors, New York City Police Department, clergy, the Riverside Health Center, and physicians and public health nurses at the Hospital Center. These relationships have involved the application of mental health principles to those agents responsible for the effective functioning of large numbers of people.

Of special note since the last annual report has been the expansion of an innovative program for the care not only of chronically mentally ill people but also those members of the community who are not considered mentally ill in the usual sense. This program has demonstrated the applicability of a voluntary institution such as St. Luke's working closely with community groups. The installation, commonly known as "The Bridge" is already servicing 200 patients weekly in a rehabilitative program.

The division has been working on a program in the single-room occupancy hotels on the west-side with the financial cooperation of the Ford Foundation under the auspices of Columbia University. This project involves the encouragement of the tenants of these residences to become better organized in an attempt to improve their own welfare.

Noteworthy among other new projects is one working with families where a stable and consistent man is not available and in which there is a great deal of social and psychological difficulty.

Still in the planning stage is a proposal for a major home visit service for psychiatric patients which is consistent with the Hospital Center's approach of reaching out into the community. Exploring the

possibility of a community mental health center for St. Luke's is a major project which is now underway.

The educational aspect of the division has continued during 1967. Members of the division of community psychiatry have taken part in many meetings both on the national and local level as well as continuing to disseminate information about their experiences in the medical and social work journals. A strong affiliation with Columbia University continues and many members of the department hold faculty positions there.

*Columbia University Student Mental Health Clinic:* The year 1967 brought numerous changes in staff, an extensive modification of our physical plant, and a continued increase in clinical and other professional activities.

The unit accepted with great reluctance the departure of two members of its staff during the year: Dr. Dallas Pratt retired in May after twenty years of service with this division and Dr. Ernest Wacker, assistant to the director and a staff member since 1963 left for military service in July. The division was pleased to announce the appointments of three physicians who joined the staff on a part-time basis during the year: Dr. John Kliever in January, Dr. Martin Asnis in June, and Dr. James Strain in September.

In May the student clinic offices were swept by fire of undetermined origin which destroyed all furnishings and equipment except metal file cabinets containing patient records. The unit was immediately relocated, initially in various clinic areas throughout the hospital and, subsequently, on Clark 9, the infirmary floor, where it remained until renovation of the original offices was completed in October. The immediate assistance and support rendered by other divisions of the university health service as well as by the Hospital Center enabled the unit to continue its operation at virtually normal levels, even on the days immediately following the fire. While the floor space allocated to the psychiatric offices remains the same, it is now utilized in such a way as to increase the number of consulting rooms from three to five. Various other constructional alterations have contributed to a more effective and attractive work area.

The vicissitudes of the past year have in no way altered the steady rise in patient volume reported previously, and the unit, given its small staff, is now operating at the limits of its capability in this area.

	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>
Patients .....	345	647	806	963	1,013	1,201
Total Visits .....	<u>1,427</u>	<u>1,554</u>	<u>1,748</u>	<u>2,053</u>	<u>1,883</u>	<u>2,166</u>

These increases further aggravate the chronic problem of referral for low cost treatment since, understandably, the adult psychiatric clinic and the psychiatric out-patient facilities of nearby Knickerbocker Hospital (the only other similar unit within the Columbia area) can accept but a limited number of our patients. For this reason, and with the knowledge that such students are often considered unusually attractive cases for resident supervision in psychotherapy, an effort was made to explore referral to training facilities outside the immediate vicinity of Columbia. One immediate result of this action was an agreement by Roosevelt Hospital to consider referrals for group therapy, in keeping with certain of its research interests in the psychiatric treatment of college and university students. Further investigation of this sort is planned for 1968.

Our customary conferences and other professional activities with St. Luke's Hospital staff continued throughout the year as did our growing interaction with faculty, administrative, counseling, and student groups within the university. The rotational program for third-year residents was expanded to include a member of the Presbyterian Hospital residency staff, a liaison which is expected to be continued each year. Various programs devoted to university and college psychiatry were presented outside the university. Among these was a presentation to the psychiatric staff of the North Shore Hospital in Long Island, at the invitation of Dr. Richard J. Glavin, director of psychiatry there and a member of the St. Luke's Hospital Center attending staff.

# Radiology

Nathaniel Finby, M.D., Director

## Diagnostic Radiology

Virginia Kanick, M.D., Associate Director

In 1967, the number and variety of diagnostic X-ray procedures increased at an unusually rapid rate, taxing our equipment and personnel to the extreme. The radiology department has continued to direct its primary effort toward the accurate and efficient performance of its vital functions for the diagnosis and care of our patients, and hopes to enlarge its facilities in the near future before quantity of work interferes with quality of performance.

## Equipment

Renovation of the Clark III darkroom has been completed, resulting in more effective utilization of the space available and allowed the installation of a second automatic rapid process developer, and an additional diagnostic room and a radiologist's office.

In the additional X-ray diagnostic room, we have been able to install a modern tomographic unit. A special chair enabling patients to be positioned accurately for more complicated neuroradiologic procedures has been installed.

## Education and Professional Activities

The radiology department added to its attending staff Dr. Kuo York Chynn, a well-trained and capable neuroradiologist. Dr. Chynn initiated a series of lectures on neuroradiology which are given in the X-ray department and are well-attended by the residents in radiology and interested physicians. Dr. Chynn is working closely with the neurology and neurosurgical departments in a consultative capacity.



Dr. Virginia Kanick, associate director, became a fellow in the American College of Radiology. Dr. Nathaniel Finby, director, is currently treasurer of the New York Roentgen Society. During the year, the staff continued to publish articles concerned mainly with experiences and information gained by utilizing the newer angiographic and special investigative radiologic techniques. More than fifteen such articles have already been published. Many additional papers have been accepted for future publication.

The combined residency program sponsored by the directors of radiology at Roosevelt Hospital, St. Vincent's Hospital, Mt. Sinai Hospital, Montefiore Hospital and St. Luke's Hospital Center continues. Regularly scheduled teaching seminars in diagnostic and therapeutic radiology are attended by the residents and interested physicians.

### Future Projects

Because of the acute shortage of available working space, plans are being made to coordinate diagnostic X-ray services and equipment in the emergency room area allowing for more efficient functioning of both departments and resulting in substantial improvement in patient diagnosis, care and management.

We await the Vanderbilt replacement completion which should then make additional space available adjacent to the radiology department area on Clark III.

### Division of Radiation Therapy

Leonard M. Liegner, M.D., Director

**T**he most significant activity of the division of radiation therapy of the radiology department in 1967 centered on the use of computers in radiation dosimetry. On April 4, the division of radiation therapy, at the Hospital Center, joined the computer network as a satellite member. The computer center is located at Memorial Center for Cancer and Allied Diseases in New

York City. The computer network, made possible via the teletype console located in the radiation therapy division, permits the staff at St. Luke's to utilize the specialized radiation program devised by the physics department at Memorial Center. With these techniques, every radium-and-cobalt-60-treated-patient has an exact and intricate portrayal of the dose distribution of radiation calculated as it relates to the patient's tumor-bearing area. The technique permits a three-dimensional reconstruction of the radium within the patient and the relationship of the radiation sources to vital normal organs. Without the computer such determinations would be impossible. The advantages in addition to assuring accuracy of dosage, permits the radiation therapists to re-evaluate techniques and to alter them, hopefully to improve results in treatment of cancer.

**Annual Report Xray Department—1967**  
**Clark 3 and Scrymser 8**

	<u>Patients</u>	<u>Exams</u>	<u>Films</u>	<u>Cine 16mm</u>	<u>Cine 35mm</u>
<i>In-Patients:</i>					
PRI. ....	4,161	4,874	18,371	462 ft.	320 ft.
S.P. ....	10,033	11,623	40,950	1,391 ft.	2,195 ft.
WARD ....	12,587	14,327	44,746	1,394 ft.	5,867 ft.
COL. INF. ....	240	256	766		
<i>Out-Patients:</i>					
PRI. ....	2,725	3,052	8,857	2,250 ft.	
OPD. ....	11,920	13,038	39,606	593 ft.	
COMP. ....	357	414	796		
E.R. ....	11,921	14,399	31,174		
COL. H.S. ....	2,021	2,182	4,856		
H.S. ....	2,746	2,837	4,952		
NUR. INF. ....	257	264	391		
<i>Clark 8:</i>					
PRI. ....	135	166	308		
WARD ....	172	193	349		
TOTAL .....	<u>59,275</u>	<u>67,625</u>	<u>196,122</u>	<u>6,090 ft.</u>	<u>8,382 ft.</u>



# Surgery

Harold A. Zintel, M.D., Director

## Introduction

**R**enewed emphasis on the teaching program as related to patient care was the highlight of 1967. Although research has always been an integral part of our program in postgraduate surgical education, it became increasingly apparent during the year that we had failed to reach our full potential in the utilization of the teaching material available or to afford the staff adequate opportunity to disseminate their clinical knowledge and experience. Our research and development costs now exceed a quarter of a million dollars a year. Now that medical knowledge is increasing at the rate of fifty percent every five years, the necessity of active participation in local and national societies, and in postgraduate educational meetings is self evident.

At St. Luke's Hospital Center, the surgical service has always enjoyed a wealth of patient material so that experience has not been a problem in postgraduate surgical training. But utilization of this material and of our staff's vast experience in patient care was not realized until 1967.

Under the auspices of Dr. Harold Zintel and Dr. Richard Stark, and with the cooperation of Dean Melvin Yahr of the College of Physicians and Surgeons, a postgraduate course on pre-and postoperative care was presented to seventy-five surgeons from all parts of the

United States. Thirty-one subjects were discussed by twenty-seven members of the surgical, anesthesia and medical services. The course was recorded in the AMA listing of postgraduate courses as one of ten in general surgery having the approval of a graduate school or graduate medical division of a university. Roughly one hundred general surgical courses are listed.

This postgraduate course will be repeated in 1968; it is ultimately planned that the material be incorporated into a book on pre-and postoperative care.

The diversity of surgical knowledge and endeavor among the staff was further emphasized two weeks later when the Brooklyn and Long Island Chapter of the American College of Surgeons held its annual clinic day at the Hospital Center. Although this was a multi-specialty group, the surgical service was host. During the day-long meeting members of this chapter viewed motion pictures prepared by members of the staff and attended operating room clinics, scientific presentations and conferences. One hundred seventy surgeons attended.

And, finally, one of eight yearly meetings of the New York Cancer Society was held in part at St. Luke's. Dr. Harold Zintel, president of this society for 1967-68, was host for the meeting. Tours of the hospital were held prior to the open scientific meeting.

There is no question that the stature of St. Luke's Hospital Center as a major teaching institution was considerably enhanced by these three well-attended meetings. This fact was corroborated by the large number of well-qualified intern applicants interviewed in December 1967, when sixty men from twenty-four schools applied.

In matters closer to home, the training of our own twenty-five house officers has not been neglected. Through the Stuyvesant Surgical Group, which by contract became effective on July 1, 1965, all patients covered by third party insurance, but admitted to the hospital through the clinics or emergency room, have been made available to the staff as teaching cases. The name of the Stuyvesant Surgical Group was officially changed to the Stuyvesant Surgical Association on January 1, 1968. This association has insured adequate teaching material for the foreseeable future.

Every effort has been made to strengthen the relationship between the service and Columbia University's College of Physicians and Surgeons. As the first fully coordinated service with the department of surgery of the College, a unique opportunity has been afforded the Hospital Center for an expanded program in postgraduate surgical education, the teaching of medical students, and the training of house officers. The research and development facilities and personnel of the school of engineering and other graduate schools of Columbia University have been made available for joint research projects.

This postgraduate course, and the clinic day represented challenges to the surgical staff which were well received and in essence were the highlights of a highly successful academic year. The course will be repeated each year and the demand was such that we could have expanded it into a three or four weeks' course and given it twice a year. It will be lengthened from four to six days.

Dr. Zintel is on the conference committee on graduate education in surgery of the American Medical Association, as a representative of the council on medical education of the American Medical Association and on the committee on medical and plaque of the New York Academy of Medicine. He is also chairman of the medical committee of the Pointe au Baril Islanders Association, Pointe au Baril, Ontario.

In 1967 Drs. Colin McCord and Edward Stanley-Brown were elected members of the New York Surgical Society. Dr. Graham Knox was made a consultant in surgery to the Norwalk Hospital and Dr. Hugh Fitzpatrick was reelected secretary-treasurer of the New York Society for Thoracic Surgery. Dr. Robert Fraser was elected vice-president of the Medical Board.

Dr. Hutchinson was appointed visiting surgeon and chief of thoracic surgery, Harlem Hospital Center in July 1967, became an associate visiting surgeon at Francis Delafield Hospital, and became consultant in cardiovascular surgery of the Health Insurance Plan of Greater New York.

Dr. Richard Stark and Dr. Colin McCord spent one and two months respectively in Vietnam. Dr. Stark went under the auspices of Care-Medico and Dr. McCord went under the auspices of the American



Medical Association's Volunteer Physicians for Vietnam. Dr. Stark was primarily interested in assisting the growth and development of postgraduate training in plastic surgery among the practicing physicians of South Vietnam. Dr. McCord, on the other hand, was assigned to two months' service at the Thu Khoa Nghia Hospital at Can Tho where he rendered valuable service to the sick and injured civilian population as a practicing surgeon. Dr. Stark was awarded the medal of honor, first class, Republic of Vietnam.

We remain indebted to Mrs. Edith Rader, secretary of the surgical service for her faithful pursuit and follow-up of the numerous activities of the department and to Mrs. Helen Hardy, secretary to Dr. Harold Zintel, for her knowledge and experience in handling departmental matters.

In the surgical research area valuable secretarial assistance has been rendered by Margot Krassner, Miss Janet O'Donnell and Miss Sharon Walworth. Miss O'Donnell replaced Miss Marge Gillick who left in May to live in Boston.

We are delighted that Mr. Angelo DiGeronimo returned as manager of general surgical research laboratories as of October 30, 1967. During his several months' absence we became even more aware of his contributions to the research effort.

## Residency Training Program

The number of internships offered by the department of surgery was raised from eight to nine on July 1, 1967. This decision to increase the number of interns was necessitated by the need for a broader base to supply an adequate number of first-year assistant residents, because of an ever-increasing load on the interns who perform a great proportion of the out-patient and emergency room care, and because of a desire to resume pediatric rotation dropped several years ago.

This additional intern has greatly facilitated house staff coverage in these areas. The basic experience gained in recognizing and treating an acutely ill child is an important discipline for a well-trained general surgeon.

Fifty-six applicants from seventeen medical schools were inter-



viewed from which the following nine men were matched as interns with St. Luke's Hospital Center:

Dr. Philip S. Affuso . . . . . Georgetown University  
 Dr. Bruce M. Bilder . . . . . New York Medical  
 Dr. William G. Clancy, Jr. . . . . Downstate Medical  
 Dr. Roger T. DeAngelis

Columbia College of Physicians & Surgeons

Dr. Peter H. Dragonas . . . . . Boston Medical School  
 Dr. Saul Katz . . . . . Albert Einstein  
 Dr. Daniel C. McCabe . . . . . Upstate Medical School  
 Dr. Douglas McKane

Columbia College of Physicians & Surgeons

Dr. Samuel D. Winner

Columbia College of Physicians & Surgeons

Dr. Philip Carter, a graduate of Washington University Medical School in St. Louis, was appointed first-year assistant resident as was Dr. Leonard Rudin, a graduate of the Upstate Medical School in Syracuse. These two men, in addition to the four promoted from the previous year's intern group, gave a full complement of junior residents.

At the second-year assistant level, Dr. C. Rossiter Kuehner departed for a year of basic research in surgical metabolism under Dr. John M. Kinney at the Columbia-Presbyterian Medical Center. This opportunity for special training was made feasible through the coordination of our service with the medical school and its federal grant in aid for the training of surgeons as cancer investigators. Dr. Kinney trained with Dr. Francis Moore at the Peter Bent Brigham Hospital in Boston. Dr. Kuehner becomes our first resident to follow the type of program suggested for the "clinical training of investigators in surgery." It is anticipated that from time to time other general surgical residents will engage in this type of program. As such they would participate in our present five-year training program of one year of internship, three years of assistant residency and one year as acting assistant attending of the medical staff. At one point in this five-year program those individuals will take a year or two of specialized training in a field of their individual interest. Interestingly enough, such pro-

grams seem to involve the individual in more mathematics, an understanding of computers, and bioengineering in order to accomplish his individual surgical desires.

In spite of efforts to supplement the number of residents in training, the academic year 1967-68 began with four fewer house officers than in the previous year. This obviously is an expression of the nation-wide shortage of surgical assistant residents produced by the military requirement of the war in Vietnam. This shortage necessitated curtailment of all elective and specialty rotation of the residents. Only in the past year or two had we been able to achieve our goal of establishing these elective and specialty rotations. Three of the eight interns left for military duty on July 1, 1967. Of the present intern group, however, eight have a full Berry plan deferral, and it is anticipated that we will have a full complement of first-year assistant residents next year.

On July 1, 1967 Dr. John White and Dr. Alan Rinestone completed their formal training as board eligible surgeons at St. Luke's Hospital Center. Dr. White was subsequently inducted into the army, while Dr. Rinestone is pursuing subspecialty training in plastic surgery at New York University Hospital.

Dr. Gabriel Rizzi and Dr. Roger Newman were appointed acting assistant attending surgeons on July 1, 1967. As senior men in surgical training they supervised the house staff in the management of the ward patients and the patients of the Stuyvesant Surgical Association under the tutelage of the more senior staff.

Dr. Rizzi completed his year as cancer fellow of the American Cancer Society to the general surgical department and Dr. Joshua Kaplan was made cancer fellow in July 1967.

The number of house staff assigned to each of the two teaching services and to the private service at the various levels of training was essentially unchanged in 1967. Five surgical house officers and a medical intern were on the A service, while the B service had six surgical house officers. Attending coverage for the two services was unchanged from the previous year. Dr. John West has remained as senior consultant for the A service, Dr. W. Graham Knox and Dr.

Charles Schetlin both served as responsible attending surgeons to that service. Dr. Edward Stanley-Brown continued to ably supervise the care of the pediatric surgical cases all of whom are currently assigned to the A surgical service. Dr. Charles Blair, Dr. Robert Edmunds and Dr. Robert Miller have also given much valuable time and assistance to the smooth functioning of the A surgical service. The B service has continued to enjoy the counseling of Dr. Hugh Fitzpatrick and Dr. Robert Fraser as responsible attendings. Dr. Peter Bossart, Dr. Robert McCabe, and Dr. Howard Nay have continued to assist in patient care and to assist in the teaching responsibilities on the B surgical service.

The four P.M. surgical house staff conference was resumed in September. The lectures prepared for the postgraduate course in pre- and postoperative care were also presented to the house staff. In addition, Dr. Edward Winant, along with the orthopedic house staff, holds a monthly fracture conference as part of our teaching program in the management of trauma. These conferences have been well attended and have supplemented the teaching conducted on ward rounds in an orderly fashion so that all important aspects in the pre- and postoperative management of surgical patients is adequately covered.

The graduating residents of the department of surgery continue to enjoy a commendable record in the American Board of Surgery examinations. Only one individual of the past twenty has failed to pass both parts of the examination on the first attempt. Of 420 fully approved and accredited residencies in general surgery in the United States, this record of achievement is among the very best. This record, we hope, reflects the quality of teaching and patient care available at St. Luke's as well as to the quality of men accepted for surgical training in this institution.

### Cardiac Surgery

The program in cardiac and thoracic surgery has continued to be an active part of the general surgical program. The annual report to the Bureau of Child Welfare in 1967 showed that the Hospital Center had

the lowest mortality rate for cardiac surgery in New York City. New types of artificial valves now in use appear to have largely eliminated the problem of thrombosis and embolism after valve replacement surgery. These have been in use for less than a year now and at least two years of evaluation will be needed before a final judgment can be made on this point. A contract with the National Institutes of Health was awarded in 1967 which will provide funds for a joint investigation with the Columbia University school of engineering on the problem of thrombosis on prosthetic materials in the blood stream. The contract awards \$60,000 for St. Luke's share of this investigation.

## Chemotherapy

The surgical service is active in the treatment of malignant diseases by chemotherapy. Patients with otherwise untreatable cancer are treated with the various chemotherapeutic agents. Other patients with malignancy are treated with the drugs as adjuvant therapy concurrent with or following surgery or radiation therapy.

The major investigative work is carried out through the clinical drug evaluation program of which St. Luke's is a participating member. This is a national program of thirty-three participating hospitals under the National Institutes of Health, administered by the department of oncology, University of Wisconsin medical school. Dr. Harold Zintel and Dr. Robert Edmunds are the investigators from the surgical service and Dr. Edward Reisner is the investigator from the medical service.

The following drugs were jointly evaluated through the program during the year: azotomycin, tubercidin, hexestrol, hexamethylmelamine and NSC 17256 E. Some responses were noted in some malignancies and the evaluation is to continue.

## Medical Student Teaching Program

The surgical service is a coordinated service of the department of surgery, Columbia University College of Physicians and Surgeons. In such capacity, the service continued in its fourth-year medical

student teaching program. Groups of from two to four students came to St. Luke's for two months as surgical externs. They lived in the hospital and performed the duties of interns on the wards and in the operating rooms and clinics. The students were given a series of lectures on general surgical subjects. These lectures were kept informal to encourage participation. Dr. Robert Edmunds continued in charge of the program.

### Operating Rooms

During 1967 approximately 8,000 operative procedures were carried out, not including procedures done in cystoscopy, in the Xray department or in Woman's Hospital. This number of procedures has been rather constant in the past several years.

During the year, the latest sterilizing equipment and anesthetic instruments were installed to keep our facilities up to date.

Miss Hilda Pereira and her able assistant Miss Jane Hansen led a staff of twenty-six registered nurses and six operating room technicians who are well trained in handling all phases of surgical assistance.

When the new operating rooms are open in the new Service and Research Building the older Lyle operating rooms will be converted into a recovery room and some rooms for special procedures including endoscopy, sigmoidoscopy, and minor surgery.

Already the new dressing rooms are in use, reflecting our efforts to keep our facilities modern and efficient.

### Pediatric Surgery

During 1967 a total of 1,266 infants and children were admitted to Clark VII. Pediatric general surgical care was necessary for 363 of these patients, 276 on a semi-private or private basis, eighty-seven patients cared for on the ward service. Not included are urology, ear, nose and throat, orthopedic, or cardiac patients. There were three deaths of pediatric general surgical patients and an autopsy was performed in each instance. In the pediatric surgical clinic, 565 patient visits were made of which 239 were new patients.

With the continuing growth of the pediatric service our most pressing problem is the continuing shortage of beds. Children have been boarded on other floors during the year and for the first time in ten years we have been unable to freely admit patients to the hospital. This causes considerable hardship for the parents, to say nothing of cancelled and thereby wasted operating room time. As Dr. Stevenson has so frequently pointed out, the only solution to this problem is to completely redesign Clark VII with one-bed patient units. Only by such means will we be able to continue to provide efficient and competent care for our pediatric patients.

Our nursing staff continues to provide peerless and loving care for which we are duly grateful.

### Peripheral Vascular Surgery

Peripheral vascular surgery shows ever increasing growth as a subspecialty of the general surgery department. In 1967 a total of 103 arterial reconstructive procedures were performed both on the private and the teaching services. This number is exclusive of thoracic, cardiac and lumbar sympathetic ablation operations. The review of our sixteen years' experience in vascular surgery shows an increasing growth pattern and a statistical analysis of the results and follow-up data show a constant improvement rate. The peripheral vascular clinic staffed by Dr. Schilling from the department of medicine and Drs. Knox, McCabe and Rizzi of the department of surgery meet alternate weeks and see fifteen to twenty patients per clinic day. Approximately half of these patients are admitted to the hospital for further angiographic diagnostic work and many of them have arterial reconstructive procedures performed.

### Plastic Surgery

Dr. Richard Stark has for several years been deeply involved in building a program for the training of physicians in plastic surgery in Viet Nam. This is an extremely important program in an undeveloped nation and is given special emphasis by the war in that country.

Again, in 1967, Dr. Stark spent one month in Saigon, South Viet Nam. His time was spent in extensive reconstructive surgery, teaching and



attempting to solidify an organized teaching program and in establishing a plastic surgical center for the treatment of both civilian and war wounds.

A new book entitled *Cleft Lip and Palate—A Multidisciplined Approach* was completed during the year and sent to the publishers. This book encompasses the many difficult problems presented by the patient with facial clefts, and outlines clearly the method of management at St. Luke's. The members of the cleft palate team representing several medical and paramedical specialties contributed their time and talents to this book and all deserve recognition for their efforts.

Dr. Thomas Sumners completed his plastic surgical training on July 1, 1967 and was replaced by Dr. Stanley Frileck. Before going into private practice in Denver, Colorado, Dr. Sumners spent six months in England in additional training in surgery of the hand.

During 1967 Dr. Stark travelled widely and contributed to many scientific programs. He was also author of several scientific and historical papers. To add to previous honors he was elected president of the American Board of Plastic Surgery for the years 1967-1968.

Research in plastic surgery was concentrated in three main areas—cleft palate speech, congenital malformations and the vascularity of tubed pedicles and grafts. Much previous investigational work has been done at St. Luke's on all these problems. They represent a fertile field for research and are expected to occupy much of the time available in the future.

The plastic surgical service was more active than in the past with increased case loads on both private and teaching levels. Clinical material varied widely offering a broad experience for residency training. Although the case load for the cleft palate clinic showed no appreciable change this was not true of the general plastic surgical clinic which has slowly but steadily increased in size.

Mrs. Margie deForest Haight left St. Luke's and the plastic surgical service in March after several years of excellent and devoted service. Her position has been very ably filled by Miss Mary Mason.

After a very productive 1967 we look forward to an even better 1968.



## The Stuyvesant Surgical Association

The Stuyvesant Surgical Association, with its membership of twenty-two attending staff surgical partners, completed its first year on January 1, 1968. During the year 1967 the Association treated a total of 326 patients. These included patients covered by third-party insurance provided by Blue Shield, Medicare, third-party employee insurance companies and an occasional patient paying for his own surgical care. These semi-private patients are a very valuable source for clinical surgical teaching. Following completion of their hospital stay, they are followed in the private offices of the Stuyvesant Surgical Association on the second floor of the Stuyvesant Building by the association partner directly concerned with their surgery. The Stuyvesant Surgical Association is governed by a board of managers composed of senior and associate attending surgeons. Members of this board recently re-elected for another one-year term include: Dr. Charles Blair, Dr. Robert Fraser, Dr. Graham Knox, Dr. Charles Schetlin and Dr. Harold Zintel. The chairman, elected by the managers, is Dr. Graham Knox.

With the advent of Medicaid or Title XIX hospital and professional service coverage for welfare patients, it is anticipated that the Stuyvesant Surgical Association will be providing semi-private care for patients in this category in the very near future. Since the category of patients with third-party payment arrangements is increasing it can be anticipated that the association eventually will concern itself with almost every patient admitted to the surgical wards. Problems relevant to adequate follow-up of these patients, space requirements, identifiable professional care provided by a member of the attending staff with its implied continuity of treatment, will pose many complex problems which are currently under study by the board of managers of the Stuyvesant Surgical Association.

Three hundred twenty-six teaching patients might very well have been lost to the surgical service if such a partnership organization had not been formed to treat these patients as teaching semi-private patients on the surgical service.

## Surgical Research Laboratories

During the year, a total of 351 operative procedures—151 major procedures and 200 minor procedures—were performed by the staff in the surgical research laboratories. The general activities, and more specifically the research activities, of the general surgical service, have increased to the point where for the past several months we have explored very actively the names of potential candidates for the position of director of the general surgical research laboratories. Beginning the first of the year we will actively interview candidates for this position. The individual in this position should greatly augment our present investigative activities. There can be no doubt but that he will be effective in establishing much more satisfactory lines of communication between our clinical activities and our research activities as well as the communication between the surgical department and other departments and services of the hospital. The individual who is selected will be able to make suggestions regarding some of the accommodations in the new general surgical research facilities to be established on the tenth floor of the Service and Research building. The following are outlines of some of the specific projects:

1. *Portacaval Transposition in Renal Vascular Hypertension:* In the final phase of this investigative work, Drs. McCabe and Zintel developed a new way of producing renal hypertension. The renal artery of dogs was clamped for varying periods up to three hours and then released. By twelve weeks all animals in which the arterial flow was interrupted for more than one hour displayed persistent hypertension. These animals had normal IVP's, normal renal arteriography and normal microscopic examinations. The *modus operandi* of this hypertension is subject to conjecture but since the hypertension was relieved by portacaval transposition and since these animals showed a decreased response to an angiotensin infusion, the supposition has been made that the hypertension is mediated through the reninangiotension system.

2. *Bouginage and Corticosteroids in Acute Corrosive Esophagitis:* Drs. Zintel, Knox and McCabe have observed, using a controlled corrosive burn of the esophagus in dogs that the most effective treatment

of this lesion is a combination of prednisolone in the dose of 0.1 mgm/kgm and bouginage.

3. *Potassium Balance During and After Surgery for Acquired Heart Disease:* Drs. McCord, Case, Pierson, Rizzi and Crampton studied the problem of the amounts of potassium needed by patients undergoing surgery for acquired heart disease. Patients were studied pre-and postoperatively using  $K^{42}$  isotope dilution technique. Potassium balance studies were also employed. Operating room studies of arterial and coronary sinus potassium revealed significant loss of potassium from myocardium under conditions of bypass. These investigators concluded that potassium replacement at a rate of fifty-sixty meq. per day was necessary to prevent depletion of serum potassium in these patients and that this probably helps prevent arrhythmias.

4. *Interaction of Platelets with Prosthetic Materials:* The aim of Drs. McCord, Leonard, and Fitzpatrick, and Mr. Friedman is to study those factors which lead to deposition of platelets and thrombus formation on prosthetic materials in the blood stream.

A chamber has been developed in which platelet deposition can be studied under controlled flow conditions using microscopic or other techniques. This is primarily an engineering problem and is being carried out in the surgical research laboratories by Mr. Friedman under the direction of Professor Leonard.

Different prosthetic materials have been inserted in the descending aorta of dogs to study the phenomena. These materials include silicon rubber tubes, dacron grafts, heparin treated dacron grafts and ethylene oxide sterilized frozen arterial homografts. All the prosthetic materials were intensely thrombogenic. Electron microscopy reveals platelet deposition with minimal amounts of fibrin.

The prosthesis have the ability to control the deposition of platelet thrombus so that an equilibrium is established between the flowing blood and the deposited adherent platelets and an occluding thrombus usually does not form at least in the high flow situation. The implanted homografts on the other hand have the unique ability to establish an equilibrium with flowing blood without deposition of platelets. A layer of protein lacking an avidity for platelets is de-

posited. Identification of this protein is underway. Since the implanted homografts are non-living tissue, it is hoped that artificial materials with similar characteristics can ultimately be constructed.

5. *Evaluation of Flow in Vein Grafts Implanted From Myocardial Revascularization:* Drs. McCord, Fitzpatrick and Hutchinson are attempting to quantitate the amount of blood flow through vein grafts implanted in the left ventricular myocardium as in the Vineberg procedure.

Controversy exists about whether vein grafts implanted in the myocardium remain patent. Twelve dogs had anastomosis of the jugular veins, autografts to the left subclavian artery with implantation of this vein into the left ventricle and simultaneous application of aneroid constrictors. It appears that only a small proportion of such grafts remain patent.

In another series of experiments attempts were made to arteriolize the coronary venous system in a situation in which coronary insufficiency was produced either by acute ligation of the anterior descending coronary artery or by application of an aneroid constrictor. A Beck 2 revascularization procedure was performed. No protection from infarction was produced.

6. *Comparison of Preservation Techniques for Homograft Aortic Valves:* Drs. Nay, Fitzpatrick and McCord studied the difference in the function of homograft valves sterilized by various commonly used techniques. The valves were sterilized with beta propriolactone and ethylene oxide and inserted in the canine descending thoracic aorta, after the aortic valve was rendered insufficient. There was an immediate high mortality from overwhelming aortic insufficiency and suture line bleeding. Many dogs became paraplegic and died. It was concluded that this is an impractical method to study this problem.

7. *Study of Patients in Shock:* Using  $I^{131}$  to measure cardiac output and cardiac function, Drs. Miller, McCord, Fitzpatrick and Zintel have studied patients in shock.

Postoperative open heart patients have been used for this study. Four of eight patients studied showed myocardial deterioration either during the first evening or on the following day. This correlates with

our clinical experience but the explanation is not clear and more patients are being studied.

8. *Development of A Low Cost, Disposable Artificial Kidney:* Dr. McCord of the department of surgery and Dr. Edward F. Leonard of the engineering department of Columbia University are conducting experiments to demonstrate the in vivo performance and hematological compatibility of a low-cost, disposable dialysis cartridge. Thus far after canine perfusions, the results indicate the feasibility of using this technique for extensive periods in the dog.

### Tumor Registry

The tumor registry has continued to grow, adding new cases and increasing the follow-up. The registry completed its fourth full year with Dr. Robert Edmunds as the physician-in-charge and Miss Rae Morse, R.N. as registrar. With the added case load of Woman's Hospital, and the ever increasing follow-up, further help was required and, in October, Mrs. Frances Ellis, R.N. joined the staff. Dr. Charles Kuehner continued to summarize data from the patient's chart on the registry cards. With the cooperation of the attending staff, house staff and clinic personnel, follow-up of approximately ninety percent—including both ward and private patients—is being maintained. All data are transferred to IBM cards for future evaluation. The annual report, showing classification of tumors and survival rates, was sent to the entire staff.

# Urology

John W. Draper, M.D., Director

The resident training program in the urology service has been extended to include an optional rotation of surgical residents or interns. The option of OB-GYN residents to rotate through this service is still available.

## Appointments

Dr. John W. Draper, director of urology service, was appointed clinical professor of surgery (urology) at Cornell Medical College.

Dr. Alfred F. Fretz, chief of the urology clinic, was appointed attending urologist at the Isabella Geriatric Center.

## Exhibits

Dr. Russell W. Lavengood, Jr. presented an exhibit at the southeastern section meeting of the A.U.A., April, 1967, on "Complete Longitudinal Nephrolithotomy and the Shorr Regimen in the Management of Staghorn Calculi." The exhibit describes a dietary and drug regimen that will control the amount of calcium and phosphorus excreted in the urine. An operative procedure for the complete removal of staghorn calculi is pictorially described. Dr. Lavengood made this presentation again on November 6, 1967 at the New York University School of Medicine, department of urology.

## Lectures

In November of 1967, Dr. Draper spoke at Montefiore Hospital and Medical Center on "Urinary Incontinence in the Female," and the early part of December, this lecture was presented to the New York University School of Medicine, department of urology. In late December, Dr. Draper spoke at the Istituto Di Farmacologia Della

Univesita Di Milano on "Evaluation of the Carcinogenic Effect of 3, 4-Benzopyrene on Transplanted Tissues in Dogs' Bladder."

Dr. Joseph N. Ward lectured at the New York University School of Medicine, department of urology, on "Diagnosis and Treatment of Urethral Diverticula in the Female," December, 1967.

Dr. Waleed Maloof lectured, at the Hospital Center, to the medical students from the Columbia University College of Physicians and Surgeons on "Renal Physiology."

On November 1, 1967 at the annual clinic day of the Brooklyn and Long Island Chapter of the American College of Surgeons, the following urologists lectured in the Clark 3 conference room:

Dr. John W. Draper—"Office Management of Chronic Cystitis and Urethritis."

Dr. Russell W. Lavengood, Jr.—"Complete Longitudinal Nephrolithotomy and the Shorr Regimen in the Management of Staghorn Calculi."

Dr. Joseph N. Ward—"Diagnosis and Treatment of Urethral Diverticula in the Female."

Dr. Manuel Fernandes—"Urethroplasty in the Male."

Dr. Pellegrino J. Tozzo—"Male Infertility."

Dr. Rudolph D. Talarico—"Roentgenographic Determination of Residual Urine."

## Research Projects

(1) *Title of Study:* The effect of various anesthetic agents on renal plasma flow and glomerular filtration.

*Investigators:* Drs. John W. Draper, Pinaki Ray, Richard Pierson (Medicine), and Alfred Peng (Anesthesiology).

*Description:* Compilation studies with seven dogs have confirmed our impression that renal function falls during fluothane anesthesia, and can be restored by Mannitol, even though the fluothane is continued. The renal physiology has been checked by Dr. Pierson by the use of radioisotopes.

(2) *Title of Study:* A new method for "Uretero-ileal Anastomosis: Revised Position of Ileal Segment."



*Investigators:* Drs. John W. Draper, Pinaki Ray, Rudolph D. Talarico, Manuel Fernandes, and Russell W. Lavengood.

*Description:* A "V" flap plasty is taken from the lateral margin of the ileal conduit and sutured into the spatulated end of the ureter, thus, providing a larger stoma.

The ileal conduit has been slightly elongated and made to pass beneath the mesentery of the large bowel in a retroperitoneal position, so that it reaches the left ureter without angulating or impairing the blood supply to the ureter.

Stenosis of the uretero-ileal anastomosis, impaired blood supply because of the length of the ureter required to reach across to the right side of the abdomen, and angulation of the left ureter as it passes retroperitoneally have been the three common causes of failure of an ileal conduit to function properly. We have performed this operation successfully on six dogs and three humans.

(3) *Title of Study:* "Vasovasostomy: Improved Microsurgical Technique."

*Investigators:* Drs. Manuel Fernandes, Kanu Shah, and John W. Draper.

*Description:* A simplified technique for vasovasostomy has been devised during the past year in the experimental research laboratory. Microsurgical techniques have improved our results. The use of luminal splints have been abandoned, and nineteen out of twenty procedures with the new technique were successful.

(4) *Clinical Evaluation:* A new surgical method for treatment of strictures of the urethra by a single layer closure is continuing to give excellent results.

<b>Statistics:</b>	<b>1966</b>	<b>1967</b>
<i>Urology Department:</i>		
Number of Operations .....	789	795
<i>Cystoscopy Department:</i>		
Number of Cystoscopic Procedures		
In-patients .....	1,164	718
Out-patients .....	299	214
Number of x-ray procedures .....	2,900	2,588

Press Opposition,  
Are Doubtful

David S. Davis,

Express Opposition  
Doubtful

JAN

press Opposi-  
tion, Are Doubtful

Dr. Edgar S. Janczelsky

SECOND CLASS POSTAGE  
PAID AT BOSTON, MASS. AND  
ADDITIONAL POST OFFICES

# The Medical Staffs

Including Appointments to the Out-Patient Staff and the Clinic Staff  
as of July 1968

## Medical Service

### Director of Medicine and Attending Physician

Theodore B. Van Itallie, M.D.

### Consulting Physicians

Louis A. Amill, M.D.  
Stanley E. Bradley, M.D.  
G. Jarvis Coffin, M.D.  
John Staige Davis, Jr., M.D.  
Waldo B. Farnum, M.D.  
Robert F. Folley, M.D.  
Albert C. Herring, M.D.  
Oswald R. Jones, M.D.  
John M. McKinney, M.D. (Neurology)  
Gertrude H. B. Nicolson, M.D.  
(Cardiology)  
James R. Scott, M.D.  
W. H. Sebrell, Jr., M.D. (Nutrition)  
Robert F. Solley, M.D.  
William L. Tucker, M.D.  
Karl Vogel, M.D.

### Attending Physicians

Charles G. Adsit, Jr., M.D.  
Robert S. Beekman, M.D.  
A. L. Loomis Bell, Jr., M.D.  
Charles K. Bogoshian, M.D.  
Edward P. Childs, M.D.  
C. Louis Gilbert, M.D.  
Jed H. Irvine, M.D.  
John H. Keating, M.D.  
William S. Norton, II, M.D.  
Samuel F. Thomas, M.D. (Neurology)  
Myron Wright, M.D.

### Associate Attending Physicians

John F. Bertles, M.D.  
Robert B. Case, M.D.  
Gilbert R. Cherrick, M.D.  
Donald P. Dallas, M.D.  
Hugh C. Davidson, Jr., M.D.  
George Dermksian, M.D.  
James A. Feltman, M.D.  
Francis G. Geer, M.D.  
Maurice F. Goodbody, M.D.  
Robert S. Graham, M.D. (Neurology)  
Sami A. Hashim, M.D.  
James G. Hilton, M.D.  
Peter R. Holt, M.D.  
Richard P. Keating, Jr., M.D.  
E. Eugene Mullen, M.D.  
William J. Pyles, M.D.  
Charles H. Richards, M.D. (Neurology)  
Fred J. Schilling, M.D.  
Miles J. Schwartz, M.D. (Cardiology)  
Craig N. Smith, M.D.  
Frank E. Smith, M.D.  
Aubrey L. Whittemore, M.D.

### **Assistant Attending Physicians**

William J. Athos, M.D.  
C. Redington Barrett, M.D.  
Carl W. Braun, M.D. (Neurology)  
Robert G. Campbell, M.D.  
Richard S. Crampton, M.D.  
Paul Cushman, M.D.  
Robert A. DeNapoli, M.D. (Neurology)  
William C. Felch, M.D.  
Jonas M. Goldstone, M.D.  
Michael H. Grieco, M.D.  
William S. Hopewell, M.D.  
Benjamin Kightlinger, M.D.  
Richard S. McCray, M.D.  
Marjorie Nelson, M.D.  
(Columbia Infirmary)  
Hector Perrone, M.D.  
Richard N. Pierson, Jr., M.D.  
Francis X. Pi-Sunyer, M.D.  
Edward H. Reisner, Jr., M.D.  
Martin A. Rizack, M.D.  
Robert A. Roven, M.D.  
Seiichi Shimomura, M.D.  
Herbert J. Smith, M.D.  
Thomas T. Tamlyn, M.D.  
Paul R. Torrens, M.D. (Director,  
Neighborhood Health Service)

### **Acting Assistant Attending Physicians**

Airlie C. Cameron, M.D.  
David S. David, M.D.  
Michael Dubin, M.D.  
John J. Dubois, M.D.  
Gary Kopenman, M.D.  
Arthur J. Lennon, M.D.  
Ernest C. Richards, M.D.

### **Consultant Cardiologist**

Gertrude H. B. Nicolson, M.D.

### **Cardiologist**

E. P. Childs, M.D.

### **Associate Cardiologist**

A. L. Loomis Bell, Jr., M.D.

### **Assistant Cardiologists**

Robert B. Case, M.D.  
Miles J. Schwartz, M.D.

### **Research Associates**

Joseph D. Capra, M.D.  
David Chafin, M.D.  
George J. Christakis, M.D.  
George W. Conrad, Jr., M.D.  
William J. Haynes, M.D.  
Veljko Krstulovic, M.D.  
Joyce H. Lowinson, M.D.  
Dorothy M. Roels, M.D.  
(Community Medicine)  
Kenneth N. Weinstein, M.D.  
Coenraad D. Westermann, M.D.

### **Appointments to Out-Patient Department Staff**

Antonio Acosta-Velarde, M.D.  
Eric Andrea, M.D.  
Robert C. Atkins, M.D.  
Harry Bartfeld, M.D.  
Herbert R. Blain, M.D.  
Cecil Broderick, M.D.  
Edward Dwyer, M.D.  
Emanuel Goldstein, M.D.  
Peter H. Gott, M.D.  
Horace W. Hurley, M.D.  
Consuela Ives, M.D.  
Paul Keating, M.D.  
Michael O. Kovaleff, M.D.  
Burton P. McHugh, M.D.  
Mary V. Nelson, M.D.  
Milovan T. Rakic, M.D.  
Louis F. Scian, M.D.  
Katherine Shishlow, M.D.  
Sheldon A. Sorokoff, M.D.  
Eugene R. Stanton, M.D.  
Philip J. Torsney, M.D.

### **General Medical Clinic**

Myron Wright, M.D. (Chief)

### **Allergy Clinic**

Aubrey L. Whittemore, Jr., M.D. (Chief)  
Michael H. Grieco, M.D.  
Ruth Kessler, M.D.  
Michael O. Kovaleff, M.D.  
Irwin J. Polk, M.D.  
Philip J. Torsney, M.D.

### Arthritis Clinic

John Staige Davis, Jr., M.D. (Chief)  
 Herbert R. Blain, M.D.  
 Dumon F. Elmendorf, M.D.  
 Jed H. Irvine, M.D.  
 Milovan Rakic, M.D.

### Cardiac Clinic (Adult)

Donald P. Dallas, M.D. (Chief)  
 Richard S. Crampton, M.D.  
 Hugh C. Davidson, Jr., M.D.  
 William S. Hopewell, M.D.  
 Paul Keating, M.D.  
 Robert B. Rove, M.D.  
 Seiichi Shimomura, M.D.

### Chest Clinic (Adult)

Charles K. Bogoshian, M.D. (Chief)  
 Antonio Acosta-Velarde, M.D.  
 Francis G. Geer, M.D.

### Diabetes Clinic

William S. Norton, II, M.D. (Chief)  
 Robert G. Campbell, M.D.  
 Maurice F. Goodbody, M.D.  
 Sami K. Hashim, M.D.  
 Benjamin N. Kightlinger, M.D.  
 Mary V. Nelson, M.D.  
 Francis X. Pi-Sunyer, M.D.  
 Sheldon Sorokoff, M.D.  
 Dr. William Frey — Podiatrist  
 Dr. Milton Meyers — Podiatrist

### Emphysema Clinic

A. L. Loomis Bell, Jr., M.D. (Chief)  
 Eric Andreae, M.D.  
 C. Redington Barrett, Jr., M.D.  
 Michael H. Grieco, M.D.  
 Burton P. McHugh, M.D.

### Endocrine Clinic

James G. Hilton, M.D. (Chief)  
 William J. Athos, M.D.  
 Paul Cushman, M.D.  
 Coenraad D. Westermann, M.D.

### Gastro-Intestinal Clinic

C. Louis Gilbert, M.D. (Consultant)  
 Peter R. Holt, M.D. (Chief)  
 John Jay DuBois, M.D. (Asst. Chief)  
 David Chalfin, M.D. (Endoscopy)  
 Gilbert Cherrick, M.D.  
 Charles Flood, M.D. (Endoscopy)  
 \*Monroe B. Kunstler, M.D.  
 F. Stafford Wearn, M.D.  
 (Surgical Consultant)

### Hematology Clinic

John F. Bertles, M.D. (Chief)  
 Louis A. Amill, M.D.  
 Jonas M. Goldstone, M.D.  
 Edward H. Reisner, Jr., M.D.  
 Myron Wright, M.D.

### Hypertension Clinic

Miles J. Schwartz, M.D. (Chief)  
 Arthur J. Lennon, M.D.  
 Richard N. Pierson, Jr., M.D.  
 Coenraad D. Westermann, M.D.

### Medical Obstetrical Clinic

Robert Beekman, M.D. (Chief)

### Neurology Clinic

Samuel F. Thomas, M.D. (Chief)  
 Robert S. Graham, M.D.  
 Charles H. Richards, M.D.

### Peripheral Vascular Clinic

Fred J. Schilling, M.D. (Co-Chief)  
 W. Graham Knox, M.D. (Co-Chief)  
 Robert E. McCabe, Jr., M.D.

### Thyroid Clinic

Richard P. Keating, Jr., M.D. (Chief)  
 Charles G. Adsit, Jr., M.D.  
 George Dermksian, M.D.  
 Carl S. Oakman, M.D.  
 Richard Pierson, M.D.  
 William J. Pyles, M.D.

\*Deceased

### **Combined Medical-Surgical Cardiac Clinic**

Donald P. Dallas, M.D. (Chief)  
Airlie Cameron, M.D.  
Robert Case, M.D.  
E. P. Childs, M.D.  
Richard S. Crampton, M.D.  
Hugh C. Davidson, Jr., M.D.  
George Dermksian, M.D.  
Michael Dubin, M.D.  
Hugh F. Fitzpatrick, M.D.  
William S. Hopewell, M.D.  
John E. Hutchinson, M.D.  
Paul Keating, M.D.  
Veljko Krstulovic, M.D.  
A. L. Loomis Bell, M.D.  
Colin W. McCord, M.D.  
Robert B. Roven, M.D.  
Seiichi Shimomura, M.D.

### **Surgical Service**

#### **Director of Surgery and Attending Surgeon**

Harold A. Zintel, M.D.

#### **Consulting Surgeons**

Alexander E. W. Ada, M.D.  
Edward J. Donovan, M.D.  
George H. Humphreys, II, M.D.  
William F. Macfee, M.D.  
Paul C. Morton, M.D.  
\*Edward D. Truesdell—Deceased

#### **Attending Surgeons**

Hugh F. Fitzpatrick, M.D.  
Robert W. Fraser, Jr., M.D.  
W. Graham Knox, M.D.  
Herbert Parsons, M.D.  
(Neuro-Surgery)  
Bronson Sands Ray, M.D.  
(Neuro-Surgery)  
Richard B. Stark, M.D.  
(Plastic Surgery)  
F. Stafford Wearn, M.D.  
John P. West, M.D.

### **Associate Attending Surgeons**

Charles R. Blair, M.D.  
Peter A. Bossart, M.D.  
Clayton R. DeHaan, M.D.  
(Plastic Surgery)  
Howard Dunbar, M.D. (Neuro-Surgery)  
Robert Edmunds, M.D.  
Colin McCord, M.D.  
Carl S. Oakman, M.D.  
Charles F. Schetlin, M.D.  
Edward G. Stanley-Brown, M.D.

### **Assistant Attending Surgeons**

Engel P. Hevenor, M.D.  
John E. Hutchinson, III, M.D.  
Ernest S. Mathews, M.D.  
(Neuro-Surgery)  
Robert E. McCabe, Jr., M.D.  
William T. Medl, M.D.  
Robert E. Miller, M.D.  
Howard R. Nay, M.D.  
Robert W. Schick, M.D.

### **Acting Assistant Attending Surgeons**

Peter B. Cinelli, M.D.  
Joshua Kaplan, M.D.  
Donald Minervini, M.D.  
Alfred A. Moscarella, M.D.

### **General Surgical Clinic**

W. Graham Knox, M.D. (Chief)  
Charles R. Blair, M.D.  
Peter A. Bossart, M.D.  
Robert E. McCabe, Jr., M.D.  
Robert E. Miller, M.D.  
Howard R. Nay, M.D.

### **Chemotherapy Clinic**

Robert Edmunds, M.D. (Chief)  
Edward H. Reisner, Jr., M.D.

### **Hand Clinic**

Clayton R. DeHaan, M.D. (Chief)  
William T. Medl, M.D.

### **Neurosurgical Clinic**

Robert W. Schick, M.D. (Chief)



**Pediatric Surgical Clinic**

Edward G. Stanley-Brown, M.D. (Chief)

**Peripheral Vascular Clinic**

W. Graham Knox, M.D.

**Plastic Surgical Clinic**

Richard B. Stark, M.D. (Chief)

Clayton R. DeHaan, M.D.

**Rectal Clinic**

F. Stafford Wearn, M.D. (Chief)

Malcolm Moley, M.D.

**Obstetrical and Gynecological Service****Director of Obstetrics and Gynecology and Attending Obstetrician and Gynecologist**

Harold M. M. Tovell, M.D.

**Consulting OBS/GYN**

Albert H. Aldridge, M.D.

Irving H. Beckwith, M.D.

G. Gordon Bemis, M.D.

Joshua W. Davies, M.D.

R. Gordon Douglas, M.D.

Inglis Frost, M.D.

John G. Hill, M.D.

Locke L. Mackenzie, M.D.

James P. Marr, M.D.

J. George Moore, M.D.

Arthur J. Murphy, M.D.

Joseph N. Nathanson, M.D.

Nelson B. Sackett, M.D.

Howard C. Taylor, Jr., M.D.

Gray H. Twombly, M.D.

**Attending OBS/GYN**

Haig Carapetyan, M.D.

Arthur M. Davids, M.D.

Graham G. Hawks, M.D.

Leonard L. Hyams, M.D.

Carl T. Javert, M.D.

Elise L. Renning, M.D.

Edward J. Sivigny, M.D.

**Associate Attending OBS/GYN**

William O. Buell, M.D.

William Epstein, M.D.

Emanuel Klempner, M.D.

Van P. Latsey, M.D.

Bernard N. Nathanson, M.D.

Esther M. Ward, M.D.

**Assistant Attending OBS/GYN**

John S. Aldridge, M.D.

Joshua W. Davies, Jr., M.D.

Stuart Oster, M.D.

Adamandia Panayotopoulos, M.D.

Tawfik H. Rizkallah, M.D.

Ian G. Van Praagh, M.D.

Lajos I. Von Micsky, M.D.

**Acting Assistant Attending OBS/GYN**

James H. Weir, M.D.

**Research Associate in OBS/GYN**

Barbara J. Johnston, M.D.

**OBS/GYN Clinics**

Edward J. Sivigny, M.D. (Chief)

**OBS/GYN Service Assistants**

Albert Altcheck, M.D.

\*Murray Arnold, M.D.

Ramon Basora, M.D.

Robert Dell-Angelo, M.D.

Dolores E. Fiedler, M.D.

Satty G. K. Keswani, M.D.

Young Kim, M.D.

James H. Ko, M.D.

Alberto Lomeo, M.D.

Nathan Mintz, M.D.

Adamandia Panayotopoulos, M.D.

Anne B. Pierson, M.D.

Norman H. Pritchard, M.D.

Esther Weisfogel, M.D.

\*Deceased



## **Specialty Clinics OBS/GYN**

### **Infertility and Endocrine Clinic**

Haig Carapetyan, M.D. (Chief)  
Paul Cushman, M.D.  
Dolores E. Fiedler, M.D.  
Satty G. K. Keswani, M.D.  
James H. Weir, M.D.

### **Tumor Clinic**

Harold M. M. Tovell, M.D. (Chief)  
John S. Aldridge, M.D.  
Barbara Johnston, M.D.  
(Chemotherapy)  
Leonard M. Liegner, M.D.  
(Radiotherapy)  
Ian Van Praagh, M.D.  
Elise L. Renning, M.D.

### **Obstetrical Medical Clinic**

Robert S. Beekman, M.D. (Chief)  
Adamandia Panayotopoulos, M.D.  
Albert Altchek, M.D.

### **Family Planning Clinic**

Stuart Oster, M.D. (Chief)  
Anne B. Pierson, M.D.

## **Pediatrics**

### **Director of Pediatrics and Attending Pediatrician**

Stuart S. Stevenson, M.D.

### **Consulting Pediatricians**

Harry S. Altman, M.D.  
Ruth J. Cudmore, M.D.  
Edward C. Curnen, M.D.  
Harold W. K. Dargeon, M.D.  
Reginald A. Higgons, M.D.  
Frederick C. Hunt, M.D.  
Herbert F. Jackson, M.D.  
F. Elmer Johnson, M.D.  
John F. Landon, M.D.  
Gertrude H. B. Nicolson, M.D.  
(Cardiology)  
Philip M. Stimson, M.D.

### **Attending Pediatricians**

J. Frederick Eagle, Jr., M.D.  
Elizabeth B. Hinckley, M.D.  
Margaret H. McKee, M.D.  
Elizabeth B. Watkins, M.D.  
Leo F. Wilking, Jr., M.D.

### **Associate Attending Pediatricians**

Catherine Lodjensky, M.D.  
Maxcy Jean Smith, M.D.  
Patricia E. Spier, M.D.  
Doris L. Wethers, M.D.

**Assistant Attending Pediatricians**

Joseph Cannaliato, M.D.  
 Carol C. Dickson, M.D.  
 Judith Frank, M.D.  
 Gilbert L. Fuld, M.D.  
 Fadel M. Hochroth, M.D.  
 William A. Kaloss, M.D.  
 Paul Lombardi, M.D.  
 Mary E. McMichael, M.D.  
 Thomas J. Moore, M.D.  
 Margaret H. O'Neal, M.D.  
 David E. Osgood, M.D.  
 Irwin J. Polk, M.D.  
 Carl A. Reindorff, M.D.  
 Dudley A. Roberts, M.D.  
 Jean-Jacques Saranga, M.D.  
 Lucy H. Swift, M.D.

**Acting Assistant Attending Pediatricians**

Pedro P. Cantillo, M.D.  
 Anafred Nelson Halpern, M.D.  
 Ruth Kessler, M.D.

**Chief of Pediatric Clinic**

Elizabeth B. Watkins, M.D.

**Assistant**

Kamila Balk, M.D.

**Children's Cardiac Clinic**

\*Robert B. Case, M.D. (Chief)  
 \*Robert C. Atkins, M.D.  
 Maxcy J. Smith, M.D.  
 Lucy H. Swift, M.D.

\*Assigned from Medical Service

**Special Services****Anesthesiology****Director of Anesthesiology and Attending Anesthesiologist**

Louis S. Blancato, M.D.

**Consulting Anesthesiologists**

George Edgar B. Burford, M.D.  
 Emanuel M. Papper, M.D.

**Attending Anesthesiologist**

Aino Tuul, M.D.

**Associate Attending Anesthesiologists**

Ennio Gallozzi, M.D.  
 Errol N. Harding, M.D.  
 Sui Tsung Lee, M.D.

**Assistant Attending Anesthesiologists**

Joseph Iacovelli, M.D.  
 Edward Los, M.D.  
 Tsu-Chin Peng, M.D.  
 Altagracia H. Polanco, M.D.

## **Dentistry**

### **Director and Attending Dental Surgeon**

Edward Stroh, D.D.S.

### **Consulting Dental Surgeons**

Malcolm W. Carr, D.D.S.  
William Ferderber, D.D.S.  
Edward J. Ortion, D.D.S.  
Henry G. Rieger, D.D.S.

### **Attending Dental Surgeons**

Eugene R. Ball, D.D.S.  
Anthony S. Caruso, D.D.S.  
(In Prosthodontics)  
Francis J. Faggella, D.D.S.  
Louis G. Haase, D.D.S.

### **Associate Attending Dental Surgeons**

Edgar L. Buehler, D.D.S.  
(In pedodontics)  
Byron S. Severns, D.D.S.  
Edward C. Vollmer, D.D.S.  
(In Orthodontia)

### **Assistant Attending Dental Surgeons**

Melvin N. Blake, D.D.S.  
Harold Boxer, D.D.S.  
Ashley Brown, D.D.S.  
Jerome Friedman, D.D.S.  
Lawrence E. Himelfarb, D.D.S.  
Kurt Koral, D.D.S.  
Kenneth Levy, D.M.D.  
David P. Malkin, D.M.D.  
Elvin J. Marged, D.D.S.  
Ralph Post, D.D.S.  
Andrew Ragona, D.D.S.  
Henry R. Ramsey, D.D.S.  
Cosmo J. Vetrone, D.D.S.

### **Clinic Assistants**

Daniel W. Matejka, D.D.S.  
Richard H. Sand, D.D.S.

## **Dermatology**

### **Director of Dermatology and Attending Dermatologist**

Alexander W. Young, Jr., M.D.

### **Consulting Dermatologists**

Valentine C. Baker, M.D.  
Leslie P. Barker, M.D.  
Penny M. Sachs, M.D.  
Tryphosa R. Worcester, M.D.

### **Attending Dermatologist**

Juan Larralde, M.D.

### **Assistant Attending Dermatologists**

Peter Lombardo, M.D.  
Eugene Sweeney, M.D.

### **Chief of Dermatology and Syphilis Clinic**

Alexander W. Young, Jr., M.D.

### **Assistants**

Herbert Kraut, M.D.  
Roy Albert Stephens, M.D.

## Ophthalmology

### Director of Ophthalmology and Attending Ophthalmologist

Graham Clark, M.D.

### Consulting Ophthalmologists

John H. Dunnington, M.D.

Harry Eggers, M.D.

Walter Hipp, M.D.

Algernon B. Reese, M.D.

Henry T. Smith, M.D.

### Attending Ophthalmologists

Graham Clark, M.D.

Ira S. Jones, M.D.

Robert McClanahan, M.D.

Howard K. Weisberg, M.D.

### Associate Attending Ophthalmologists

John Eden, M.D.

John E. Lally, M.D.

James C. Newton, M.D.

### Assistant Attending Ophthalmologists

Ulises Arango, M.D.

Alfred R. Bonsignore, M.D.

William Cooper, M.D.

John W. Espy, M.D.

Max Forbes, M.D.

Dennis B. Freilich, M.D.

Richard S. Kochman, M.D.

Lydia Perez-Guardiola, M.D.

Wilson C. Starr, M.D.

### Chief of Ophthalmology Clinics

Graham Clark, M.D.

## Orthopedic Surgery

### Director of Orthopedic Surgery and Attending Orthopedic Surgeon

Frederick R. Thompson, M.D.

### Consulting Orthopedic Surgeons

David M. Bosworth, M.D.

Mather Cleveland, M.D.

### Attending Orthopedic Surgeons

J. William Fielding, M.D.

Hudson J. Wilson, M.D.

Edward M. Winant, M.D.

### Associate Attending Orthopedic Surgeon

Leon Katowicz, M.D.

### Assistant Attending Orthopedic Surgeons

Benjamin O. Brane, M.D.

Lawrence M. Demarest, M.D.

Norman A. Hill, M.D.

William A. Liebler, M.D.

Henry J. Magliato, M.D.

Robert E. Zickel, M.D.

### Chief of Orthopedic Surgery Clinic

Hudson J. Wilson, M.D.

### Assistant

Jerome J. Moga, M.D.

## Otolaryngology

### Director of Otolaryngology and Attending Otolaryngologist

Stanley Whitfield, M.D.

### Consulting Otolaryngologists

Orrin Anderson, M.D.  
Daniel C. Baker, M.D.  
Paul H. Breuning, M.D.  
Reginald A. Everett, M.D.  
James C. Kirkbright, M.D.  
Ashby G. Martin, M.D.  
Victor C. McCuaig, M.D.  
John Ross, M.D.  
Hilton H. Stothers, M.D.

### Attending Otolaryngologists

Richard J. Belluci, M.D.  
Thomas J. Mackie, M.D.  
Duncan McCuaig, M.D.  
Norman N. Ostrov, M.D.

### Associate Attending Otolaryngologists

Samuel V. Boor, M.D.  
Charles C. Harrold, M.D.  
(Tumor Surgery)

### Assistant Attending Otolaryngologists

Arthur S. Brenner, M.D.  
Lachlan Mackenzie, M.D.  
Harmon T. Rhoads, Jr., M.D.  
(Plastic Surgery)  
Ira D. Rothfeld, M.D.  
Raymond B. Strauss, M.D.

### Chief of Otolaryngology Clinic

Ira D. Rothfeld, M.D.

### Assistant

Mavrikij P. Chester, M.D.

## Pathology

### Director of Pathology and Attending Pathologist

Charles F. Begg, M.D.

### Consulting Pathologists

Leila C. Knox, M.D.  
Rafael Lattes, M.D.  
Leon Motyloff, M.D.

### Associate Attending Pathologists

Harold P. Gaetz, M.D.  
Artemis D. Nash, M.D.

### Assistant Attending Pathologists

Kendall K. Kane, M.D.  
George W. Munsick, M.D.  
Stephen F. Ryan, M.D.

## Physical Medicine

### Director of Physical Medicine and Attending Physiatrist

Shyh-Jong Yue, M.D.

### Assistant Attending

Lucille Tsu Pai, M.D.

## Psychiatry

### Director of Psychiatry and Attending Psychiatrist

John M. Cotton, M.D.

### Consulting Psychiatrists

Henrietta R. Klein, M.D.

John McDowell McKinney, M.D.

### Attending Psychiatrists

Benjamin H. Balser, M.D.

Alexander Caemmerer, Jr., M.D.

Frank J. Curran, M.D.

Earl A. Loomis, M.D.

David M. MacDonald, M.D.

Bernard L. Pacella, M.D.

Luis Perelman, M.D.

Harry Reiss, M.D.

Jerry M. Wiener, M.D.

Charles P. Wilson, M.D.

### Associate Attending Psychiatrists

John A. Atchley, M.D.

Ralph Colp, M.D.

Sam Ehre, M.D.

Alan M. Elkins, M.D.

William S. Kahn, M.D.

Robert Michels, M.D.

John A. Milici, M.D.

Robert S. Mumford, M.D.

Jean T. Munzer, M.D.

George O. Papanek, M.D.

David T. Read, M.D.

Herbert Spiegel, M.D.

Samuel F. Thomas, M.D.

Adolfo Zier, M.D.

### Assistant Attending Psychiatrists

Hugh F. Butts, M.D.

Abraham A. Chaplan, M.D.

Thomas J. Craig, M.D.

Victor D'Arc, M.D.

Eugene B. Feigelson, M.D.

Willard M. Gaylin, M.D.

Richard J. Glavin, M.D.

Jerome Haber, M.D.

James G. Katis, M.D.

Edward Kaufman, M.D.

Clarice J. Kestenbaum, M.D.

Samual C. Klagsbrun, M.D.

E. Arthur Livingston, M.D.

Charles H. Richards, M.D.

Joseph D. Rosen, M.D.

Benjamin Sadock, M.D.

Charles Siegel, M.D.

James J. Strain, M.D.

John A. Talbot, M.D.

Melvin Udel, M.D.

Thornton A. Vandersall, M.D.

Ernest A. Wacker, M.D.

### Acting Assistant Attending Psychiatrists

Richard C. Conroy, M.D.

Edward E. Gilmour, M.D.

### Research Associates

Myra Hatterer, M.D.

Herbert Hendin, M.D.

Robert Shaw, M.D.

### Adult Clinic

David M. MacDonald, M.D. (Chief)

### Child Psychiatry

Jerry M. Wiener, M.D. (Chief)

### Community Psychiatry

Alan M. Elkins, M.D. (Director)

### Columbia University, Student Mental Health Clinic

John A. Milici, M.D. (Director)

### Assistants

Frederick A. Alling, M.D.

Martin Asnis, M.D.

Philip A. Ernst, M.D.

Naomi Leiter, M.D.

Robert S. Liebert, M.D.

James Randall, M.D.

Michael H. Stone, M.D.

Seymour Warman, M.D.

## **Radiology**

### **Director of Radiology and Attending Radiologist**

Nathaniel Finby, M.D.

### **Consulting Radiologists**

Herbert F. Hempel, M.D.

Harold Jacox, M.D.

Ernest Kraft, M.D.

Harriet McIntosh, M.D.

Rieva Rosh, M.D. (Radiation Therapy)

William B. Seaman, M.D.

### **Attending Radiologists**

Samuel D. Hemley, M.D.

Virginia Kanick, M.D.

Richard D. Kittredge, M.D.

Leonard M. Liegner, M.D.

(Radiation Therapy)

### **Associate Attending Radiologists**

Kuo-York Chynn, M.D.

Theresa L. Siebert, M.D.

### **Assistant Attending Radiologists**

Milton Bienstock, M.D.

William M. Colaiace, M.D.

\*Ronald W. Ermini, M.D.

Nancy S. Hoge, M.D.

A. Winifred Phillips, M.D.

\*Resigned 6/30/68

## **Urology**

### **Director of Urology and Attending Urologist**

John W. Draper, M.D.

### **Consulting Urologist**

John A. Taylor, M.D.

### **Attending Urologists**

Eugene L. Hoch, M.D.

Russell W. Lavengood, Jr., M.D.

Constantine Photos, M.D.

### **Associate Attending Urologists**

Waleed J. Maloof, M.D.

Joseph N. Ward, M.D.

### **Assistant Attending Urologists**

Manuel Fernandes, M.D.

Alfred F. Fretz, M.D.

Rudolph D. Talarico, M.D.

Pellegrino Tozzo, M.D.

### **Research Associate**

Michael Sierp, M.D.

### **Chief of Urology Clinic**

Alfred F. Fretz, M.D.



## Clinical Departments—1968

### Hearing and Speech

*Director of Otolaryngology:*

Stanley Whitfield, M.D.

*Director of Hearing and Speech:*

Samuel Boor, M.D.

*Audiologist:*

Sheila Belkin

*Consultants in Speech:*

Jane Dorsey Zimmerman, Ph.D.

William H. Canfield, Ed.D.

*Speech Therapist:*

Paul D. Burgess, Jr., M.A.

### Laboratories

*Director:*

Charles F. Begg, M.D.

*Associate Directors:*

Harold Gaetz, M.D.

Artemis D. Nash, M.D.

*Assistant Directors:*

George W. Munsick, M.D.

Stephen F. Ryan, M.D.

*Assistant Director — Bacteriology  
and Microbiology:*

Victor Bokenheuser, M.D.

*Assistant Director (Biochemistry):*

Louis B. Dotti, Ph.D.

## Medical Departments

*Director:*

Theodore B. Van Itallie, M.D.

### Blood Bank

*Director:*

Myron Wright, M.D.

*Consultant:*

Louis A. Amill, M.D.

*Administrative Director:*

Albert DeNatale, Ph.G., Ph.C.

*Assistant Directors:*

John F. Bertles, M.D.

Fred J. Schilling, M.D.

## **Cardio-Pulmonary Laboratory**

### *Director:*

A. L. Loomis Bell, Jr., M.D.

### *Assistant Directors:*

C. Redington Barrett, Jr., M.D.

Siichi Shimomura, M.D.

### *Consultant:*

Oswald R. Jones, M.D.

### *Pediatric Cardiologist:*

Lucy H. Swift, M.D.

### *Research Associate:*

Veljko J. Krstulovic, M.D.

### *Associates:*

Airlie Cameron, M.D.

Michael Dubin, M.D.

Stephen F. Ryan, M.D. (Pathologist)

## **Electrocardiography**

### *Director:*

E. P. Childs, M.D.

## **Electroencephalography**

### *Director:*

Charles H. Richards, M.D.

## **Radio-Isotope Laboratory**

### *Director:*

Richard N. Pierson, Jr., M.D.

### *Consultant:*

Richard P. Keating, M.D.

### *Consultant in Radiotherapy:*

Leonard M. Liegner, M.D.

## **Physical Medicine**

### *Director:*

Shyh-Jong Yue, M.D.

## **Radiology**

### *Director:*

Nathaniel Finby, M.D.

### *Associate Directors:*

Virginia Kanick, M.D.

Richard Kittredge, M.D.

## **Chief Radiation Therapy Section**

Leonard M. Liegner, M.D.

## **Scientific Advisory Staff**

### *Consultant in Virology:*

Baker, James A., Ph.D.

### *Consulting Sociologist:*

Barber, Bernard, Ph.D.

### *Associate Consultant in Physiology:*

Bennett, Susanne, Ph.D.

### *Associate Consultant in*

### *Speech Therapy:*

Canfield, William H., Ed.D.

### *Consultant in Biochemistry:*

Dotti, Louis B., Ph.D.

### *Associate Consultant in Biochemistry*

### *(Endocrinology):*

Kelly, William G., Ph.D.

### *Associate Consultant in*

### *Bio-Engineering:*

Leonard, Edward, Ph.D.

### *Associate Consultant in Sociology:*

Mumford, Emily, Ph.D.

### *Consultant in Public Health Nutrition:*

Nordsiek, Frederic W., Ph.D.

### *Associate Consultant in*

### *Radiation Physics:*

Rossi, Harold, Ph.D.

### *Consulting Surgeon:*

Spaet, Theodore H., M.D.

### *Consultant in Genetics:*

Warburton, Dorothy P., Ph.D.

### *Consultant in Speech Therapy:*

Zimmerman, Jane D., Ph.D.

# House Staff

## Medicine

### Chief Resident

David S. David, M.D.

### Fellows in Medicine

Bertrand Bordier, M.D.

(Renal-Endocrinology)

Norma Braun, M.D. (Cardiopulmonary)

Saroj Devi, M.D.

(Nutrition & Metabolism)

Evelyn P. Dooley, M.D.

(Clinical Cardiology)

Michael Gang, M.D. (Gastroenterology)

Janet I. Lipski, M.D.

(Clinical Cardiology)

### Second Year Residents (Senior Assistant)

Carl Braren, M.D.

George W. Conrad, Jr., M.D.

Thomas J. Ekkers, M.D.

Susan Harris, M.D.

Linda Lewis, M.D.

John R. Morse, M.D.

David N. Reifsnnyder, M.D.

### First Year Residents (Junior Assistant)

Robert O. Baratta, M.D.

James L. Barzun, M.D.

John J. Darrah, M.D.

Joseph A. Donadio, M.D.

Marlene E. Haffner, M.D.

Richard H. Landesman, M.D.

Alfred Muller, M.D.

### Interns

Kathleen B. Agayoff, M.D.

Kenneth M. Berc, M.D.

Dulaney Glenn, M.D.

Bruce C. Johnston, M.D.

Janis O. Lusins, M.D.

Alan N. Miller, M.D.

John P. Nelson, M.D.

David O. Olds, M.D.

Billie F. Polk, M.D.

Robert A. Rosenblum, M.D.

Vincent R. Sites, M.D.

## Surgery

### Resident in Plastic Surgery

Stanley P. Frileck, M.D.

### Third Year Residents

Peter B. Cinelli, M.D.

Merrit R. Hait, M.D.

Joshua M. Kaplan, M.D.

Donald Minervini, M.D.

### Second Year Residents

Leif O. Holgersen, M.D.

Charles R. Kuehner, M.D.

Lawrence F. Simon, M.D.

### First Year Residents

Louis P. Carter, M.D.

Robert McRoberts, M.D.

Leonard J. Rudin, M.D.

David K. Saland, M.D.

Nicholas A. Szabo, M.D.

Russell F. Warren, M.D.

### Interns

Philip S. Affuso, M.D.

Bruce M. Bilder, M.D.

William G. Clancy, M.D.

Roger T. DeAngelis, M.D.

Peter H. Dragonas, M.D.

Saul Katz, M.D.

Daniel C. McCabe, M.D.

Douglas D. McKane, M.D.

Samuel T. Winner, M.D.

## **Obstetrics and Gynecology**

### **Fourth Year Residents**

Bernard M. Leduc, M.D.  
Amandia Panayotopoulos, M.D.  
Miguel A. Pulido, M.D.

### **Third Year Residents**

Raymond H. Basora, M.D.  
Romeo M. DeGracia, M.D.  
Mona Devanesan, M.D.  
Daryl E. Murdock, M.D.  
Jasu Sanghvi, M.D.  
Theodore K. Tobias, M.D.

### **Second Year Residents**

Charles P. Foote, M.D.  
Arnold Roufa, M.D.  
Gordon R. Smith, M.D.  
William Wong, M.D.

### **First Year Residents**

Hasi Das, M.D.  
Gerard deCatalogne, M.D.  
John M. Mackenzie, M.D.

## **Pediatrics**

### **Chief Resident**

Robert H. Hobbie, M.D.

### **Second Year Residents**

David E. Osgood, M.D.  
Jean J. Saranga, M.D.

### **First Year Residents**

Joseph C. Asta, M.D.  
Martha Collins, M.D.  
Daryoush Houshmand, M.D.  
Hangh Lee, M.D.  
Eugenia P. Marcus, M.D.

### **Intern**

John M. Oldham, M.D.

## **Anesthesiology**

### **Third Year Residents**

Marieta Agawin-Bajit, M.D.  
Delia Alonsabe, M.D.  
Felicitas de Guzman, M.D.  
Rosalito Geronimo, M.D. (1/17/68)  
Pushpa S. Kale, M.D.  
Iqbal L. Lalani, M.D.  
Joseph A. Silvano, M.D.

### **Second Year Resident**

Joanne Bufalo, M.D.

### **First Year Residents**

Nena Bigornia, M.D.  
Carolina Centeno, M.D.

## **Dermatology**

### **Third Year Resident**

Leon I. Miller, M.D.

### **Second Year Resident**

William R. Barbee, M.D.

## **Ophthalmology**

### **Third Year Residents**

Ulises Aranga, M.D.  
Alfred R. Bonsignore, M.D.

### **Second Year Resident**

Eusebio G. Salud, M.D.

### **First Year Resident**

Nibondh Vacharat, M.D.

## **Oral Surgery**

### **Residents**

Richard W. Lewis, D.D.S.  
Chester B. Triplett, D.D.S.

### **Intern**

James C. Booth, D.D.S.

## Orthopedic Surgery

### Third Year Residents

Anthony V. Carella, M.D.  
Francisco Chevres, M.D.  
John P. Milbauer, M.D.

### Second Year Residents

Clarence A. Dunn, M.D.  
(to St. Giles 1/1/68)  
Peter B Germond, M.D.  
Peter F. B. von Bormann, M.D.

### First Year Residents

Stuart J. Hershon, M.D.  
George L. Unis, M.D.

## Otolaryngology

### Third Year Resident

Agadurappa Mahadevaiah, M.D.

### Second Year Resident

George W. Jackson, M.D.

### First Year Resident

Mauriciu Rodescu, M.D.

## Pathology

### Third Year Residents

Judith A. Boone, M.D.  
Sergio G. Ibarguen, M.D.  
Peter F. Salomon, M.D.

### Second Year Resident

Anna E. Buskop, M.D.

### First Year Resident

Wolf D. Schneeweiss, M.D.

## Psychiatry

### Adult Service Fellows

Richard C. Conroy, M.D.  
David A. Etess, M.D.  
William G. Sommer, M.D.

### Third Year Residents

Theodore B. Robbins, M.D.  
Carlotta L. Schuster, M.D.

### Second Year Residents

Marcia Alexander, M.D.  
Barry E. White, M.D.

### First Year Residents

Stephen C. Ettenson, M.D.  
Robert A. Greenstein, M.D.  
Carl S. Jackson, M.D.  
Bruce A. Lief, M.D.

## Child Service

### Fellow

Nathaniel Donson, M.D.

### Resident

Edward E. Gilmour, M.D.

## **Radiology**

### **Fellow**

William C. Colaice, M.D.

### **Third Year Resident**

Arthur S. Geller, M.D.

### **Second Year Residents**

Michael A. Geller, M.D.

Vera A. Voges, M.D.

### **First Year Residents**

Jeanne W. Baer, M.D.

Amado V. Dolorico, M.D.

Vincente Garciano, M.D.

## **Urology**

### **Fellow**

Pinaki Ray, M.D.

### **Chief Resident**

Rudolph Talarico, M.D.

### **Third Year Resident**

Albert V. Assali, M.D.

### **Second Year Resident**

John J. Parillo, M.D.

### **First Year Resident**

Joseph D. Putignano, M.D.

# Publications by Members of the Medical and Scientific Staffs 1967

- ABRAHAMS, C., joint author. See: FESTENSTEIN, H.
- AKBARI, A., joint author. See: DRAPER, JOHN W.
- AKBARI, A., joint author. See: WARD, JOSEPH N.
- ALBRIGHT, N., joint author. See: ALTCHER, ALBERT
- ALTCHER, ALBERT; ALBRIGHT, N.; SOMMERS, S.  
The Renal Pathology of Toxemia of Pregnancy. *Obstet. & Gynec.* In Press
- ALTCHER, ALBERT; MEARLES, R. J.; LUBASH, G.  
Plasma Renin Activity Production in Pregnancy. *Am. J. Obstet. & Gynec.* In Press
- ALTCHER, ALBERT; MEARLES, R. J.; LUBASH, G.  
Liver and Kidney Relationships in Pregnancy and Toxemia. *Clin. Obstet. & Gynec.*  
In Press
- ALTER, SHELDON; CUSHMAN, PAUL; HILTON, JAMES G.  
A new guanidine diuretic amipramizide: reduction of the kaliuretic effect of  
ethacrynic acid in man. *Clin. Pharmacology & Therapeutics* 8:#243-248, 1967
- BALSER, BENJAMIN; MUMFORD, EMILY  
A Pilot Project in Seven Secondary Schools. *Independent Schl. Bull.* 26:24
- BEGG, CHARLES F., joint author. See: FINBY, NATHANIEL
- BELL, A. L. LOOMIS, joint author. See: SHIMOMURA, SEIICHI
- BLAIR, CHARLES R.; HUGHES, JOHN H.  
Hourglass Gall Bladder. *New York State J. of Med.* 67:933-935, April 1967
- BLANCATO, LOUIS S.; PENG, ALFRED T. C.  
Intravenous Lidocaine with General Anesthesia for Endoscopy. *Archives of Otolaryngology* Vol. 85, Feb. 1967
- BLUMENTHAL, JESSE, joint author. See: ZINTEL, HAROLD A.
- BOKKENHEUSER, V., joint author. See: FESTENSTEIN, H.
- BOKKENHEUSER, V., joint author. See: HOFMANN, A. F.
- BRAREN, C., joint author. See: CUSHMAN, PAUL
- CAMPBELL, ROBERT G., joint author. See: CUSHMAN, PAUL
- CAMPBELL, ROBERT G., joint author. See: HASHIM, SAMI A.
- CAMPBELL, ROBERT G., joint author. See: PI-SUNYER, FRANCIS X.



- CAMPBELL, ROBERT G., joint author. See: ZURIER, ROBERT B.
- CASE, ROBERT B.; NASSER, M. G.; CRAMPTON, RICHARD S.  
The J depression and does it represent myocardial ischemia? *Circulation* 36: IV, Suppl. II, 82, 1967
- CASE, ROBERT B., joint author. See: NASSER, M. G.
- CHALFIN, DAVID; HOLT, PETER R.  
Lactase deficiency in ulcerative colitis, regional enteritis and viral hepatitis. *Am. J. of Digestive Disease* 12:81-87, 1967
- CHEN, T.; DOTTI, L. B.  
Determination of calcium in icteric hemolyzed or lipemic sera. *Am. J. Clin. Pathology* 48, 136, 1967
- CHEN, T.; DOTTI, L. B.  
Estimation of fecal calcium without ashing. *Fed. Proc.* 26:2, 1967
- CHEN, T.; DOTTI, L. B.  
Estimation of fecal calcium in urine and stool by a resin exchange method. *Cl. Chim. Acta* 18:453, 1967
- CHERRICK, GILBERT T., joint author. See: MEZEY, ESTEBAN
- COCCHIARELLA, ANTONIO, joint author. See: YUE, SHYH-JONG
- CRAMPTON, RICHARD S., joint author. See: CASE, ROBERT B.
- CUCCHI, JORGE, joint author. See: DICKSON, CAROL C.
- CURRAN, FRANK J.  
Highlights of Two International Meetings. 19th Meeting of WFMH and the 6th International Congress and Child Psychiatry. *Bull. New York State Distr. Branches. APA*, 9:5
- CURRAN, FRANK J.  
Book Review on *When We Deal with Children*. *Am. J. Psych.* 123:1473
- CURRAN, FRANK J.  
Discussion of Symposium — The Adolescent's Crisis Today. *New York State J. Med.* 67:1997
- CURRAN, FRANK J.  
Book Review on *Lessons from Childhood*. *Am. J. Psych.* 124:179
- CURRAN, FRANK J.  
Book Review on *The Guilty Mind: Psychiatry and the Law of Homicides*. *Am. J. Psych.* 124:418
- CURRAN, FRANK J.  
Religious Implication. Chapter on Abortions in America. Deacon Press
- CUSHMAN, PAUL, joint author. See: ALTER, SHELDON
- CUSHMAN, PAUL, joint author. See: DICKSON, CAROL C.
- CUSHMAN, PAUL  
Recurrent hyperthyroidism after normal response to liothyronine. *JAMA* 199:588, 1967

CUSHMAN, PAUL

Reaction of appropriate diuretic regimes on current therapeutics. *Revue Francaise de la Pharmacie*. 2:63, 1967

CUSHMAN, PAUL; HILTON, JAMES G.

Effects of clomiphene on adrenal cortical steroidogenesis in dogs. *Am. J. Obstet. & Gynec.* 97:958-961, 1967

CUSHMAN, PAUL

ACTH release mechanism in thyroid disorders. *Clin. Res.* 15:454, 1967

CUSHMAN, PAUL; BRAREN, C.; CAMPBELL, ROBERT G.; DAVID, D.

Metabolic studies with an acyl guanidine in primary and secondary aldosteronism. *Bull. New York Acad. Med.* 43:1207, 1967

DAVID, D., joint author. See: CUSHMAN, PAUL

DEHAAN, CLAYTON R.

Indications for Plastic Surgery of Burns, *Modern Treatment*. 4:1304-1313. Nov. 1967

deNAPOLI, ROBERT A.; LOVELACE, ROBERT E.; SCHOTLAND, DONALD L.

The Kugelberg Welander Syndrome. *Transactions of American Neurological Association* 1966

DICKSON, CAROL C.; CUCCHI, JORGE; CUSHMAN, PAUL; HILTON, JAMES G.

A rapid method for the quantitative determination of corticosterone in human and dog plasma. *Eur. J. Steroids* 1:343-349, 1967

DOTTI, L. B., joint author. See: CHEN, T.

DRAPER, JOHN W., joint author. See: WARD, JOSEPH N.

DRAPER, JOHN W.; WARD, JOSEPH N.; AKBARI, A.; ISWARIAH, J.; FERNANDES, M.; MUNSICK, GEORGE W.

Vesical Carcinogenesis after Bladder Epithelial Replacement. *J. of Urology* 97:669-678

DUBOIS, JOHN J., joint author. See: KERR, ROBERT M.

FERNANDES, M., joint author. See: DRAPER, JOHN W.

FESTENSTEIN, H.; ABRAHAMS, C.; BOKKENHEUSER, V.

Runting syndrome in neonatal rabbits infected with *Treponema Pallidum*. *Clin. Exp. Immun.* 2:311-20, 1967

FINBY, NATHANIEL; BEGG, CHARLES F.

Pleural Effusion and Pleural Tumor. *New York State J. of Med.* 67:#22 Nov. 1967

FINBY, NATHANIEL; BEGG, CHARLES F.

Traumatic Avulsion of Ischial Epiphysis Simulating Neoplasm. *New York State J. of Med.* Vol. 67:#18, Sept. 1967

FINBY, NATHANIEL; BEGG, CHARLES F.

Mediastinal Tuberculosis Simulating Esophageal Tumor. *New York State J. of Med.* Vol. 67:#14, July 1967

FINBY, NATHANIEL; BEGG, CHARLES F.

Congenital Ureterorenal Abnormality. *New York State J. of Med.* Vol. 67:#10, May 1967

- FINBY, NATHANIEL; BEGG, CHARLES F.  
Esophageal Leiomyoma Simulating Aortic Aneurysm. New York State J. of Med. Vol. 67:#6, March 1967
- FINBY, NATHANIEL; BEGG, CHARLES F.  
Toxic Colitis: complication of ulcerative Colitis New York State J. of Med. Vol. 67:#2: 1-15-67
- FINBY, NATHANIEL; KRAFT, E.  
Radiographic Features of the Megacigmoid Syndrome. The Johns Hopkins Med. J. Vol. 120:#6. 393-400, June 1967
- FINBY, NATHANIEL, joint author. See: KITTREDGE, RICHARD D.
- FINBY, NATHANIEL, joint author. See: HEMLEY, SAMUEL D.
- FINBY, NATHANIEL, joint author. See: KRAFT, E.
- FLATOW, FREDERICK A. See: SHIMOMURA, SEIICHI
- FONTANARES, PRESENTACION A. E.; HASHIM, SAMI A.  
Rapid glass-fiber paper chromatographic procedure for separation and quantification of bile acids and neutral sterols in alcoholic fecal extract. Fed. Proc. 26:#2, 653, 1967
- GALLOZZI, ENIO  
Unusual Cause of Laryngeal Obstruction. Archives of Otolaryngology. Vol. 28:#4, 1967
- GELLER, A., joint author. See: KITTREDGE, RICHARD D.
- GRIECO, MICHAEL H.  
Cross-allergenicity of the penicillins and the cephalosporins. Archives of Internal Med. 119-141:146, 1967
- GUTHRIE, RANDOLPH, joint author. See: KNOX, W. GRAHAM
- HANCHETT, EFFIE; TORRENS, PAUL R.  
A public health home nursing program for out-patients with heart disease. Public Health Report 82:683-688, 1967
- HANCHETT, EFFIE, joint author. See: TORRENS, PAUL R.
- HASHIM, SAMI A.; CAMPBELL, ROBERT G.  
Continuous monitoring of hepatic blood flow in the dog by use of a Doppler flow-meter system. J. of Clin. Investigation 46:1067, 1967
- HASHIM, SAMI A.  
Medium-chain triglycerides-clinical and metabolic aspects. J. of Am. Dietetic Assoc. 51:221-227, 1967
- HASHIM, SAMI A. See: FONTANARES, PRESENTACION, A. E.
- HASHIM, SAMI A., joint author. See: LINARES, FRANCISCO
- HASHIM, SAMI A., joint author. See: PI-SUNYER, FRANCIS X.
- HASHIM, SAMI A., joint author. See: TANTIBHEDHYANGKUL, PHIENVIT
- HASHIM, SAMI A., joint author. See: ZURIER, ROBERT B.

HEMLEY, SAMUEL D.; KANICK, VIRGINIA; KITTREDGE, RICHARD D.; FINBY, NATHANIEL

Intravenous Aortography. *Med. Radiography and Photography*. Vol. 43:#1, 1967

HENDIN, HERBERT

Suicide, Chapter in *A Comprehensive Textbook of Psychiatry*. William & Wilkins

HILTON, JAMES G., joint author. See: ALTER, SHELDON

HILTON, JAMES G., joint author. See: CUSHMAN, PAUL

HILTON, JAMES G., joint author. See: DICKSON, CAROL C.

HIRSCH, R. L., joint author. See: HOFMANN, A. F.

HODARA, MORRIS, joint author. See: NATHANSON, BERNARD N.

HOFMANN, A. F.; BOKKENHEUSER, V.; HIRSCH, R. L.; MOSBACH, E. H.

Experimental cholelithiasis in rabbit induced by cholestanol feeding: effect of neomycin treatment on bile composition and gall stone formation. *J. Lipid Research*

HOLT, PETER

Medium-chain triglycerides: a useful adjunct in nutritional therapy. *Gastroenterology* 53:961-966, 1967

HOLT, PETER

Studies of intestinal digestion, absorption and metabolism of medium-chain triglycerides. In *Recent Advances in Gastroenterology*, Proc. 3rd World Congress Gastroenterology. 2:293-296, 1967

HOLT, PETER, joint author. See: CHALFIN, DAVID

HOLT, PETER, joint author. See: KERR, ROBERT M.

HOLT, PETER, joint author. See: MEZEY, ESTEBAN

HUGHES, JOHN H.

Mucocele of the Appendix with Pseudomyxoma Peritonei: A Benign or Malignant Disease. *Annals of Surg.* 165:73-75

HUGHES, JOHN H., joint author. See: BLAIR, CHARLES R.

HUTCHINSON, JOHN E.; MALM, JAMES R.

Cardiac Surgery in Children—Textbook chapter in "Cardiac Surgery", Appleton, Century Croft Jan. 1967

ISWARIAH, J., joint author. See: DRAPER, JOHN W.

ISWARIAH, J., joint author. See: WARD, JOSEPH N.

JAVERT, CARL T.

Guidelines for a Marriage Contract. *Editorial New York Law Journal*, June 1967

JAVERT, CARL T.

Treatment of Habitual Abortion. *Modern Medicine*, Feb. 1967

JOHNSTON, BARBARA

Malignancy Related Changes in Peripheral Blood Smear. *Acta Cytologica* Vol. 11: #4, 1967

JOHNSTON, BARBARA

The effect of various Combined Chemotherapeutic aspects on Sarcoma 37 Ascites Tumor Cells.

Part I Acta Cytologica Vol. 11, #5, 1967

Part II Acta Cytologica Vol. 11, #5, 1967

KANICK, VIRGINIA, joint author. See: KITTREDGE, RICHARD D.

KANICK, VIRGINIA, joint author. See: HEMLEY, SAMUEL D.

KELLY, W. G.; RANNUCI, S.; SHAVER, J. C.

A Rapid and Precise Method for the Estimation of the Production Rate of Cortisol in Man. Steroids. In Press

KERR, ROBERT M.; DUBOIS, JOHN J.; HOLT, PETER R.

Use of  $^{125}\text{I}$  and  $^{51}\text{Cr}$ -labeled albumin for the measurement of gastrointestinal and total albumin catabolism. J. of Cl. Investigation 46:2064-2082, 1967

KITTREDGE, RICHARD D., joint author. See: HEMLEY, SAMUEL D.

KITTREDGE, RICHARD D; FINBY, NATHANIEL

Pericardial Cysts and Diverticula. The Am. J. of Roentgenology, Radium Therapy & Nuclear Med. Vol. 99: #3, 668-673, March 1967

KITTREDGE, RICHARD D.; KANICK, VIRGINIA; FINBY, NATHANIEL

Arteriovenous Fistulas: Am. J. of Roentgenology, Radium Therapy & Nuclear Med. Vol. C: #2, June 1967

KITTREDGE, RICHARD D.; GELLER, A.; FINBY, NATHANIEL

The Reticuloendotheliosis in the Lung: Am. J. of Roentgenology, Radium Therapy & Nuclear Med. Vol. C: #3, July 1967

KITTREDGE, RICHARD D.; FINBY, NATHANIEL

Percutaneous Trans-hepatic Cholangiography. Am. J. of Roentgenology, Radium Therapy & Nuclear Med. Vol. CI: #3, Nov. 1967

KLEIN, HENRIETTE R.

Obstetric and Gynecological Disorders. Chapter in A Comprehensive Textbook of Psych. Williams & Wilkins.

KLEIN, HENRIETTE R.

Comments on The Quest for Omnipotence in Professional Training — The Case of the Psychiatric Resident. Inter. J. Psychiat. 1967.

KNOX, W. GRAHAM; SCOTT, JOHN R.; ZINTEL, HAROLD A.; GUTHRIE, RANDOLPH; McCABE, ROBERT E.

Bouginae and Steroids Used Singly or in Combination in Experimental Corrosive Esophagitis. Annals of Surgery Vol. 166 #6, Dec. 1967

KNOX, W. GRAHAM; ZINTEL, HAROLD A.

Comparative Environmental Investigation of Surgeons Skin Germicides. Annals of Surgery 165:303, Feb. 1967

KNOX, W. GRAHAM, joint author. See: RUCKER, CHARLES R.

KRAFT, E.; FINBY, NATHANIEL

Endocrinologic Features of Skull and Hand Roentgenograms in Psychiatric Patients. Clin. Radiology, Vol. 18: #3, July 1967

KRAFT, E.; FINBY, NATHANIEL

Megasigmoid and the Megasigmoid Syndrome. *Am. Academy of Gen'l Practice*, Vol. 36: #4, October 1967

KRAFT, E. See: FINBY, NATHANIEL

LAVENGOOD, RUSSELL W., joint author. See: WARD, JOSEPH N.

LIEBERT, ROBERT S.

Drug use: Symptom, Disease or Adolescent Experimentation—The Task of Therapy. *J. Am. Coll. Health Assoc.* 16:1

LIEGNER, LEONARD M., joint author. See: NATHANSON, BERNARD N.

LINARES, FRANCISCO; HASHIM, SAMI A.

Chylous Transport of undecanoate C11 following intestinal instillation of triundecanoin. *Fed. Proc.* 26: #2, 471, 1967

LOVELACE, ROBERT E., joint author. See: deNAPOLI, ROBERT A.

LUBASH, G., joint author. See: MEARLES, R. J.

McCABE, ROBERT E. See: KNOX, W. GRAHAM

McCORD, COLIN W.

Surgery for Acquired Valvular Heart Disease. Textbook chapter in "Cardiac Surgery." Appleton Century Croft — Jan. 1967

McHUGH, BURTON P., joint author. See: SHIMOMURA, SEIICHI

MEARLES, R. J., joint author. See: ALTCHER, ALBERT

MEZEY, ESTEBAN; CHERRICK, GILBERT R.; HOLT, PETER R.

Biliary clearance of liver alcohol dehydrogenase. *Fed. Proc.* 26: #2, 690, 1967

MEZEY, ESTEBAN; CHERRICK, GILBERT R.; HOLT, PETER R.

Serum alcohol dehydrogenase in the differential diagnosis of intrahepatic and extrahepatic obstruction. *Clin. Res.* 15:240, 1967

MEZEY, ESTEBAN; NICHOLS, ANDREW W.; HOLT, PETER R.

Tuberculous ileoduodenal fistula. *Gastroenterology* 52:83-87, 1967

MILLER, ROBERT E.; WHITE, JOHN J.

Sebaceous Gland Carcinoma. *Am. J. of Surg.* 958-961, 1967

MILLER, ROBERT E., joint author. See: RUCKER, CHARLES R.

MOSBACH, E. H., joint author. See: HOFMANN, A. F.

MUMFORD, EMILY, joint author. See: BALSER, BENJAMIN N.

MUNSICK, GEORGE W., joint author. See: DRAPER, JOHN W.

MURDOCH, D. E.; NATHANSON, BERNARD N.

Monoamniotic Twins, Case Report *Obstet. & Gynec. Digest*, July 1967

NASSER, M. G.; CASE, ROBERT B.

Effects of changes in arterial K concentration in myocardial K balance. *Fed. Proc.* 26:591, 1967

NASSER, M. G., joint author. See: CASE, ROBERT B.

- NATHANSON, BERNARD N. See: MURDOCH, D. E.
- NATHANSON, BERNARD N.; LIEGNER, LEONARD M.; RUDOLPH, J. D.; HODARA, MORRIS  
Dose Verification studies in Radium Therapy of Carcinoma of Cervix. Am. J. of Obstet. & Gynec. Vol. 97:#6, 808-816, March 1967
- NAY, HOWARD; WEST, JOHN P.  
Treatment of Volvulus of the Sigmoid Colon and Cecum. Arch. Surg. 94:-11-13, Jan. 1967
- NAY, HOWARD R., joint author. See: RUCKER, CHARLES R.
- NICHOLS, ANDREW W., joint author. See: MEZEY, ESTEBAN
- OSTER, STUART; PI-SUNYER, FRANCIS X.  
Carbohydrate Metabolism and the Oral Contraceptive Agent. Obstet. & Gynec. In Press
- PACELLA, BERNARD  
Morals, Ethics and Religion. New York State J. of Med. 67:1975
- PENG, ALFRED T. C., joint author. See: BLANCATO, LOUIS S.
- PI-SUNYER, FRANCIS X., joint author. See: OSTER, STUART
- PI-SUNYER, FRANCIS X.; HASHIM, SAMI A.; CAMPBELL, ROBERT G. and VAN ITALLIE, T. B.  
Induced Hyperketonemia and insulin secretion in men. Amer. J. of Clin. Nutrition 20:364, 1967
- POVEY, W. G., joint author. See: VAN PRAAGH, IAN
- RANNUCI, S., joint author. See: KELLY, W. G.
- REISNER, EDWARD H., JR.  
Tissue culture of one marrow. 111, Myelostimulatory factors in serum of patients with myeloproliferative disease. Cancer 20:1679-1688. 1967
- RUCKER, CHARLES; MILLER, ROBERT E.; NAY, HOWARD R.; KNOX, W. GRAHAM  
Pneumoperitoneum Secondary to Perforated Appendicitis. Am. Surg. 33:188, March 1967
- RUDOLPH, J. D., joint author. See: NATHANSON, BERNARD N.
- SCHOTLAND, DONALD L., joint author. See: deNAPOLI, ROBERT A.
- SCOTT, JOHN R. See: KNOX, W. GRAHAM
- SHAPIRO, JOAN H., M.S.S.W.  
The Slum Hotel: An Arena for Group Work with Urban Rejects. Social Work Practice Col. Univ. Press 148-164
- SHAVER, J. C., joint author. See: KELLY, W. G.
- SHIMOMURA, SEIICHI; McHUGH, BURTON P.; FLATOW, FREDERICK A.; BELL, A. L. LOOMIS  
Oral administration of the respiratory stimulant ethamivan in patients with pulmonary insufficiency. Am. Review of Respiratory Disease 95:#576-583, 1967



SOMMER, S., joint author. See: ALTCHER, ALBERT

SPIEGEL, HERBERT

Is Symptom Removal Dangerous. *Am. J. Psych.* 123:1279

SPIEGEL, HERBERT

Hypnosis: An Adjunct to Psychotherapy. Chapter in *A Comprehensive Textbook of Psych.* Williams & Wilkins p. 1228

SPIEGEL, HERBERT

Hypnosis and Invasion of privacy. Chapter in *How to Defend a Criminal Case — From Arrest to Verdict.* Am. Lawyers Assn. Chpt. 15:#355

SPIEGEL, HERBERT

Imprinting as a Factor in the Psychotherapeutic Process. Chapter in *Alcoholism-Behavioral Research, Therapeutic Approaches.* Springer Publishing Chapt. 8#102

STARK, RICHARD B.

The export of Plastic Surgical Training Programs to Emerging Countries. *Plastic and Reconstructive Surgery.* 39:541-548, June 1967

STARK, RICHARD B.

"Friendship of Three Giants" *Plastic Reconstructive Surgery*, 40:599-605, December 1967

TANTIBHEDHYANGKUL, PHIENVIT; HASHIM, SAMI A.; VAN ITALLIE, THEODORE B.

Effects of ingestion of long-chain and medium-chain triglycerides on glucose tolerance in man. *Diabetes* 16:796-799. 1967

THOMPSON, FREDERICK R.

An essay on the Development of Arthroplasty of the Hip. *Clin. Orthopedic & Related Research*

TORRENS, PAUL R.; HANCHETT, EFFIE S.

Public health nursing and the congestive heart failure patient. *Cardiovascular Nursing.* 3:15-18, 1967

TORRENS, PAUL R., joint author. See: HANCHETT, EFFIE

TOVELL, HAROLD, M. M. See: WARD, JOSEPH N.

TOVELL, HAROLD, M. M. See: OSTER, STUART

VAN ITALLIE, THEODORE B.

Answer to question on Treatment of familiar hypercholesterolemia. *JAMA* 202:996, 1967

VAN ITALLIE, THEODORE B., joint author. See: ZURIER, ROBERT B.

VAN ITALLIE, THEODORE B., joint author. See: TANTIBHEDHYANGKUL, PHIENVIT

VAN ITALLIE, THEODORE B., joint author. See: PI-SUNYER, FRANCIS X.

VAN PRAAGH, IAN; POVEY, W. G.

Paracervical Block Anesthesia for Dilation & Curettage. *Obstet. & Gynec.* 29:167, 1967

VAN PRAAGH, IAN; POVEY, W. G.

Paracervical Block Anesthesia in Labour. *Canadian Anesthesia Soc. J. Vol.* 14:232, 1967

- WARD, JOSEPH N., joint author. See: DRAPER, JOHN W.
- WARD, JOSEPH N., joint author. See: TOVELL, HAROLD M. M.
- WARD, JOSEPH N.; AKBARI, A.; ISWARIAH, J.; DRAPER, JOHN W.  
Renal Revascularization. *Am. Surgeon* 33:227-230, March 1967
- WARD, JOSEPH N.; DRAPER, JOHN W.; LAVENGOOD, RUSSELL  
A Clinical Review of Polycystic Kidney Disease in 53 Patients, *J. of Urology*, 98:48-53, July 1967
- WARD, JOSEPH N.; DRAPER, JOHN W.; TOVELL, HAROLD M. M.  
Diagnosis and Treatment of Urethral Diverticula in the Female. *Surgery, Obstet. & Gynec.* 125:1293-1300, Dec. 1967
- WEST, JOHN P., joint author. See: NAY, HOWARD R.
- WEST, JOHN P.  
Indications for Radical Mastectomy. *Geriatrics* 22:162-164, Feb. 1967
- WHITE, JOHN J., joint author. See: MILLER, ROBERT E.
- WILSON, C. PHILIP  
Symbolism of the Umbrella. *Psychoanal Quart.* 36:83
- WILSON, C. PHILIP  
Stone as a Symbol of Teeth. *Psychoanal Quart.* 36:418
- YOUNG, ALEXANDER W.  
The Diagnosis of Pruritus in the Elderly. *J. of Am. Ger. Soc.* 15:750-758
- YOUNG, ALEXANDER W.  
Senile Tibial Nodules. *Am. Ger. Soc.* In Press
- YOUNG, ALEXANDER W.  
The Symptom of Pruritus: Its Physiology, Etiology and Management. Review of Allergy. In Press
- YOUNG, ALEXANDER W.  
Skin Problems in the Geriatric and General Hospital. Incidence, Scope, Cause. Submitted to the *AMA Journal*
- YUE, SHYH-JONG; COCCHIARELLA, ANTONIO  
Rehabilitation of Geriatric Patients with hip fracture. *J. of Am. Ger. Soc.*
- ZINTEL, HAROLD A., joint author. See: KNOX, W. GRAHAM
- ZINTEL, HAROLD A., joint author. See: McCABE, ROBERT E.
- ZINTEL, HAROLD A.; BLUMENTHAL, JESSE A.  
Abdominal Abscess Antibacterial agents and the Liver Abscess. Printed from the *Acute Abdominal and Emergent Lesions of the Gastrointestinal Tract*. Publisher, Charles C. Thomas, Springfield, Ill.
- ZURIER, ROBERT B.; HASHIM, SAMI A.; VAN ITALLIE, THEODORE B.  
Studies of the effect of odd and even numbers medium chain triglycerides on cholestyramine-induced steatorrhea in man. In *Recent Advances in Gastroenterology Proc. 3rd. World Congress Gastroenterol.* 2:381-384, 1967
- ZURIER, ROBERT B.; CAMPBELL, ROBERT G.; HASHIM, SAMI A.; VAN ITALLIE, THEODORE B.  
Enrichment of depot fat with odd and even numbered medium chain fatty acids. *Am. J. of Physiology.* 212:291-294, 1967

# Nursing Service Department

Evelyn M. Peck, R.N., B.S., M.A., Director

To begin, I wish to thank everyone for the very wonderful cooperation they have extended to the members of the nursing service department in the past year. The cooperation within the department has brought about change and with change has come the beginning of a new foundation which is built upon the ideal of patient care established many years ago at St. Luke's.

Recognizing the thoughts and attitudes of the staff concerning meeting time and the number of meetings attended during a year, a reorganization took place. There are now three standing committees within the department:

- (1) Policy, Program and Budget Committee
- (2) General Information and Procedure Committee
- (3) Nursing Audit.

When the need arises an ad hoc committee can be formed that will meet to conduct its business, make recommendations and then dissolve. The auxiliary staff, staff nurses, head nurses and supervisors meet once a month. The first hour of each meeting is an in-service education program and the next half hour is a business meeting.

In June 1968 the present structure will be reviewed and recommendations made as to any necessary changes.

The restructure of the administrative lines within the department has been effected with the concept of centralizing administrative detail and allowing the supervisors increasing time to effectively supervise nursing care by teaching and example. Nursing rounds have begun in a small way and will be expanded in 1968.

In June 1967 the coronary care unit was opened on Stuyvesant 5 after many months of hard work and cooperation between the hospital administration, the medical staff and the nursing department. This was an extremely interesting experience for all those who were directly involved. The planning, teaching, and hard work of each individual who worked to develop the unit has been rewarded by

the basic satisfaction they now receive, in recognizing that they have made a contribution which has, through December of 1967, extended the lives of 117 patients.

This year a total of sixty-four registered nurses received tuition aid and assistance toward the completion of their degrees in nursing, fifty of the nurses are working toward their Bachelor of Science degree, nine toward the Master of Arts degree, four toward the Master of Education degree and one person for the Doctorate of Education.

During the year, in addition to daily in-service teaching in all nursing areas of the Hospital Center, a new program was begun by the in-service department to teach nursing unit assistants. In addition to the orientation program which is given to every new member of the department, additional classes were given in cardiac resuscitation and a new cart for cardiac resuscitation was placed on the fifth floor of the obstetrical-gynecological division.

Upon the recommendation of the auxiliary personnel and the report prepared by one of the assistant directors and a member of the auxiliary staff, a pre-surgical preparation team was organized. The in-service department taught members of the team and in December 1967 they began to function.

During 1967 the ad hoc disaster committee revised the nursing service disaster plan and participated in the disaster drill of June 1967.

In October 1967 it was recommended and accepted that the exchange visitors program for nursing graduates from other countries be discontinued as of October 1968. The last class of exchange graduates entered in October 1967, with twelve students in that class. It is hoped that a different type of program can be set into action in 1969.

In 1967 1,077 patients attended the parent education classes given by the in-service instructor for parent education. These classes have been conducted in the mornings and in the evenings with 130 morning classes and fifty-six evening classes. It is interesting to note that there has been an attendance of over 160 fathers. One hundred and eighty-seven patients have attended the exercise classes.

In each of the nursing service areas, i.e., medicine, surgery, pediatrics, orthopedic, eye, ear, nose and throat, urology, obstetrics,

gynecology, and in the specialty areas, i.e., operating rooms, recovery room, labor and delivery rooms and the emergency room, the fundamental desire of the nurses to improve individual patient care has been recognized. The supervisors have worked with the professional and nonprofessional personnel to effect more efficient means of management and utilization of personnel. Many projects are underway and people will be hearing more about them in 1968.

The goals of the nursing service department for 1968 are:

- (1) to plan for *functioning* nursing care plans throughout the Hospital Center,
- (2) to maintain a continuing system of nursing audit,
- (3) to further implement the supervisory development program,
- (4) to promote more effective departmental and inter-departmental relationships.

These goals were established with the idea of further improving patient care, increasing staff utilization, and promoting job satisfaction.

NURSING

NUN - PROFESSIONAL





# Report of the St. Luke's Hospital School of Nursing

Frances C. Avella, R.N., B.S., M.A., Director

## 1967

was an eventful year and the director of the School of Nursing welcomes this opportunity to thank those in the School and the Hospital Center who contributed a great deal to the growth of the School program.

Sixty members of the Class of 1967 were graduated on May 10 in commencement ceremonies held in the Cathedral Church of St. John the Divine. Louis S. Auchincloss, LL.B. gave the commencement address. This was the first class to complete the new two-year-and-eight-month program.

Fifty-four students in the Class of 1969 received their caps on September 8. The guest speaker was Miss Evelyn M. Peck, former director of the School of Nursing.

Sixty-seven young women entered the School as freshmen on September 5. Over 1,100 inquiries were answered by the registrar. However, enrollment for the freshman class was considerably lower this year than in previous years.

Scholarship aid continued to be an essential part of the School program. Sixty scholarships were given through the generosity of friends. Thirty-one students received New York State Regents scholarships and nine scholarships were granted at high school graduations by local community agencies. Two scholarships were granted by The Woman's Florist Association of New York and four uniform scholarships were granted.

The students in the School have been active in their own organization, Nursing Students' Association of New York State, and have attended local, state, and national meetings of their organization.



The students have continued to sponsor a child through their student organization and correspond regularly through an interpreter with the child.

Eighteen members of the faculty attended thirty professional meetings, and regional state and national meetings of professional organizations.

The faculty in-service program was held and the general theme was "Learning Experiences in the Curriculum." The guest speaker was Dr. Kathleen Guinee, professor, masters program in nursing at Hunter College, New York.

A total evaluation of the program was held in November. The faculty plans to continue in its activities to improve the education and training of the students in the School of Nursing.

## Officers of the Department of Nursing St. Luke's Hospital Center

### Administration

*Assistant Director of St. Luke's  
Hospital Center*

*Director, Nursing Service*  
Peck, Evelyn, R.N., B.S., M.A.

*\*\*Associate Director Nursing Service*  
Dietz, Ruth, R.N., B.S., M.A.

*\*Associate Director, Nursing Service*  
Backus, Joan, R.N., B.S., M.A.

*Assistant Director, Nursing Service  
Staffing and Recruitment*  
Jennings, Eileen, R.N.

*Assistant Director, Nursing Service  
Administration*  
Fitzpatrick, Myrtle, R.N.

*Assistant Director, Nursing Service  
Patient Care*  
Middlebrook, Joyce, R.N., B.S., M.A.

*Senior Supervisor, Nursing Service  
Operating Rooms*  
Pereira, Hilda, R.N., B.S.

*Senior Supervisor, Nursing Service  
Obstetrics and Gynecology*  
Garfield, Elizabeth, R.N., B.S., M.A.

*Senior Supervisor, Nursing Service  
Private Pavilion*  
Wallace, Cynthia, R.N.

*Supervisor, Nursing Service  
Staffing and Recruitment*  
Clayton, Delores, R.N.

*Supervisor, Nursing Service  
Administration*  
Reardon, Dorothy, R.N., B.S.

*Administrative Assistant, Nursing  
Service*  
Weiss, Anita, R.N.

### Inservice

Acheson, Sheila, R.N.  
*Assistant Instructor, Inservice*

Aguiar, Marjorie, R.N., B.S.  
*Assistant Instructor, Inservice*

Buffa, Bernice, R.N.  
*Assistant Instructor, Inservice*

Gidley, Lena, R.N.  
*Instructor, Inservice*

Hull, Pamela, R.N., B.S., M.S.  
*Instructor, Inservice*

Poggio, Nancy, R.N.  
*Assistant Instructor, Inservice*

Roy, Asoka, R.N., B.S., M.A., R.M.  
*Instructor, Inservice*

Savage, Lois, R.N.  
*Assistant Coordinator, Exchange  
Visitors Program*

Munroe, Joan, R.N., B.S.  
*Instructor, Inservice*

### Nursing Supervisors, Days

Arnott, Mary, R.N.  
*Assistant Supervisor, Private Pavilion*

Cheu, Cynthia, R.N.  
*Supervisor, Psychiatry*

Domingo, Josefa, R.N., B.S.  
*Supervisor, Obstetrics*

Eagan, Hildegard, R.N., B.S., M.A.  
*Supervisor, Day Relief*

Essenfeld, Margaret, R.N.  
*Assistant Supervisor, Private Pavilion*

Hanson, Joan, R.N., B.S.  
*Supervisor, Operating Room*

Haslup, Martha, R.N., B.S., M.A.  
*Supervisor, Medicine*

Javier, Felicidad, R.N., B.S., M.A.  
*Supervisor, Gynecology*

Lannon, Mary, R.N., A.B., M.S.  
*Assistant Supervisor, Student Health*

Lawrence, Averil, R.N.  
*Assistant Supervisor, Operating Room*

Martin, Leona, R.N.  
*Acting Supervisor, Nurseries*

Oglesby, Gerald, R.N., B.S.  
*Assistant Supervisor, Sterile Supply*

Pearce, Edith, R.N., B.S.  
*Supervisor, Ambulatory Care*

Perkins, Mary, R.N., B.A.  
*Supervisor, Special Surgery*

Smith, Mary, R.N.  
*Assistant Supervisor, Ambulatory Care*

Sudol, Lorraine, R.N., B.S.  
*Supervisor, Surgery*

Zelezniak, Helen, R.N.  
*Supervisor, Sterile Supply*

Zwirek, Joan, R.N., B.S., M.A.  
*Supervisor, Pediatrics*

### **Nursing Supervisors, Evenings**

Cooper, Velda, R.N.  
*Assistant Administrative Supervisor  
Evenings*

Edwards, Barbara, R.N.  
*Assistant Supervisor, Evenings*

Huth, Helen, R.N.  
*Assistant Supervisor, Evenings*

Kelly, Adriene, R.N., B.S.  
*Assistant Supervisor, Evenings*

Kirkus, Eileen, R.N., S.C.M.  
*Assistant Supervisor, Evenings*

Moor, Dorothy, R.N.  
*Administrative Supervisor, Evenings*

Rodriguez, Wyona, R.N., B.S., M.A.  
*Supervisor, Evenings*

### **Nursing Supervisors, Nights**

Carpenter, Claire, R.N.  
*Assistant Supervisor, Nights*

Chen, Vallie, R.N.  
*Assistant Supervisor, Nights*

Grapel, Nancy, R.N.  
*Assistant Supervisor, Nights*

Jacoby, Louise, R.N.  
*Administrative Supervisor, Nights*

Parkins, Helen, R.N.  
*Assistant Supervisor, Nights*

Sinclair, Margaret, R.N.  
*Assistant Supervisor, Nights*

Tunney, Mary, R.N., B.S.  
*Assistant Administrative Supervisor,  
Nights*

### **Head Nurses**

Benford, Helen, R.N.  
*Head Nurse, EENT Patients*

Boger, Elaine, R.N.  
*Head Nurse, Medical Ward Patients*

Bottinger, Dorothy, R.N.  
*Head Nurse, Surgical Ward Patients*

Burley, Sherrill, R.N.  
*Head Nurse, Recovery Room*

Caples, Anne, R.N., B.S.  
*Head Nurse, Intensive Care Unit*

Clancy, Estelle, R.N.  
*Head Nurse, Semi-Private Patients*

Coates, Jean, R.N.  
*Head Nurse, Surgical Ward Patients*

Conroy, Katherine, R.N.  
*Head Nurse, Private Patients*

Conte, Mary, R.N.  
*Head Nurse, Outpatient Department*

Daury, Marie, R.N.  
*Head Nurse, Pediatrics Patients*

Deakin, Mary, R.N.  
*Head Nurse, Gynecological Recovery  
Room*

Gobert, Adele, R.N.  
*Head Nurse, Obstetrics,  
Private Patients*

Gonzales, Maria, R.N.  
*Head Nurse, Gynecology,  
Private Patients*

Grubisic, Marianne, R.N.  
Head Nurse, Urological Ward Patients

Heavey, Margaret, R.N.  
Head Nurse, Cystoscopy

Hitzig, Myney, R.N., B.S.  
Head Nurse, Medical Ward Patients

Jones, Elizabeth, R.N.  
Head Nurse, Surgical Ward Patients

Kaweske, Joan, R.N.  
Head Nurse, Columbia University  
Infirmary

LaMouit, Helen, R.N.  
Head Nurse, Pediatrics Patients

Lathrop, Mary, R.N., B.S.  
Head Nurse, Semi-Private Patients

McGonagle, Grace, R.N.  
Head Nurse, Semi-Private Patients

Minnaman, Susan, R.N.  
Head Nurse, Metabolic Patients

Morgan, Dorothy, R.N.  
Head Nurse, Gynecology Ward  
Patients

O'Leary, Helen, R.N.  
Head Nurse, Private Patients

Oothout, Gertrude, R.N.  
Head Nurse, Semi-Private Patients

O'Reagan, Elaine, R.N.  
Head Nurse, Private Patients

Payumo, Zenaida, R.N.  
Acting Head Nurse, Nursery

Pheiffer, Anne Marie, R.N.  
Head Nurse, Medical Ward Patients

Ploger, Ann, R.N.  
Head Nurse, Coronary Care Unit

Ramsay, Annie, R.N.  
Head Nurse, Private Patients

Robinson, Hyacinth, R.N.  
Head Nurse, Orthopedic Ward  
Patients

Spence, Phyllis, R.N.  
Head Nurse, Obstetrics,  
Ward Patients

Von Gal, Marise, R.N.  
Head Nurse, Premature Nursery

Vorhees, Loretta, R.N.  
Head Nurse, Semi-Private Patients

Washington, Gloria, R.N.  
Head Nurse, Private Patients

Webster, Katherine, R.N.  
Head Nurse, Emergency Room

Weisberger, Margaret, R.N.  
Head Nurse, Psychiatric Patients

Wilgus, Ellen, R.N.  
Head Nurse, Gynecology,  
Ward Patients

Wilson, Frances, R.N., B.S.  
Head Nurse, Private Patients

Wolfe, Suzanne, R.N., B.S.  
Head Nurse, Semi-Private Patients

Young, Elizabeth, R.N.  
Head Nurse, Coronary Care Unit

\*Until September 1, 1967

\*\*From April 1, 1968

**Faculty and  
Administrative Staff  
St. Luke's Hospital  
School of Nursing**

*Director:*

Frances Lee Avella, R.N., B.S., M.A.

Vivian J. Ahl, R.N., B.S., M.A.  
*Instructor, Non-Clinical Nursing,  
Coordinator Community Activities*

Myra S. Balinson, B.S., M.A.  
*Clinical Psychologist and  
Psychology Instructor*

Veda Kay Black, R.N., B.S.  
*Assistant Nursing Instructor  
Maternal & Child Health*

Ruth Dittmar, B.A., R.N., M.A., M.S.  
*Science Instructor*

Helen Ferguson, R.N., A.A., B.S.  
*Assistant Nursing Instructor*

Dolores A. Fernandez, B.S., R.N.,  
B.S., M.S.  
*Science Instructor*

Karin Freas, R.N.  
*Assistant Nursing Instructor*

Eva Good, R.N., B.Sc.N.  
*Assistant Nursing Instructor*

Margot Hartke, R.N., B.S.  
*Assistant Nursing Instructor*

Carolyn Garrick Hessel, R.N., B.S., M.A.  
*Nursing Instructor*

Judith M. Kim, R.N., B.S., M.A.  
*Nursing Instructor*

Cynthia Kimball, A.B., M.A.  
*Director, Musical Activities*

Eleanor Kniker, R.N., B.S.  
*Nursing Instructor*

Harriett Knowlton, R.N., B.S.  
*Nursing Instructor  
Maternal & Child Health*

Margaret Kozlowski, R.N.  
*Nursing Instructor*

Mary S. Lannon, R.N., B.A., M.S.  
*Supervisor, Student Health Service*

Alice M. Martin, R.N., B.S., M.A.  
*Science Instructor*

Mary Ann M. Mihm, R.N., B.S.  
*Nursing Instructor*

Carolyn McChesney, R.N., B.S.N.  
*Assistant Nursing Instructor  
Maternal & Child Health*

Edith Palmer, A.B., M.S.  
*Librarian*

Carol Pieper, B.S.  
*Recreational Instructor*

Jeannine Rabinowitz, B.S., M.S.  
*Teaching Nutritionist*

Joy Baretta Saunders, R.N., B.S.  
*Assistant Nursing Instructor*

Mary Scavillo, R.N., B.S.  
*Assistant Nursing Instructor*

Virginia E. Scherer, B.S., M.P.S.  
*Registrar*

Cynthia Sculco, R.N., B.S.  
*Assistant Nursing Instructor*

Janice Tucker, R.N., B.S., M.A.  
*Nursing Instructor  
Maternal & Child Health*

Rosemary Wisnovsky, R.N., B.S.  
*Assistant Nursing Instructor*

Mary Ann Zito, R.N., B.S.  
*Assistant Nursing Instructor*

### **Alumnae Association of St. Luke's Hospital School of Nursing — 1968**

*President:*  
Cynthia J. Wallace

*Treasurer:*  
Ruth Dittmar

*Vice President:*  
Marilyn Oberst

*Corresponding Secretary:*  
Martha Kirk

*Recording Secretary:*  
Lois Flegen Heimer

### **Woman's Hospital Nurses' Alumnae Association, Inc.**

*President:*  
Mrs. George H. Cobham

*Treasurer:*  
Mrs. Joseph M. Grohol

*Vice President:*  
Mrs. James Corbett

*Assistant Treasurer:*  
Mrs. Charles Kane

*Secretary:*  
Miss Jane McCabe

### **Society of the Alumni of St. Luke's Hospital Center**

*President:*  
F. Stafford Wearn, M.D.

*Secretary:*  
Charles G. Adsit, Jr., M.D.

*Vice President:*  
John Keating, Jr., M.D.

*Treasurer:*  
Eugene L. Hoch, M.D.

### **Woman's Hospital Alumni Society**

*President:*  
Bernard N. Nathanson, M.D.

*Secretary:*  
Stuart Oster, M.D.

*Vice President:*  
Esther M. Ward, M.D.

*Treasurer:*  
Ian Van Praagh, M.D.

500-11-1  
M-1-1-1-1-1  
M-1-1-1-1-1

Pr-  
DUTY  
NURSES  
NAME  
CARDS



# Auditors' Report

To the Board of Trustees  
St. Luke's Hospital Center  
New York, New York 10025

We have examined the balance sheet of St. Luke's Hospital Center as of December 31, 1967, and the related statement of changes in fund balances and statement of income and expense for the year then ended. Our examination was made in conformity with generally accepted auditing standards and accordingly included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances.

All securities owned by the Hospital Center at December 31, 1967 were held by the Manufacturers Hanover Trust Company as custodian, and income from interest, dividends and rents for the year under review are stated as shown in the records of the custodian.

In our opinion, subject to the foregoing, the accompanying balance sheet, statement of changes in fund balances and statement of income and expense fairly present the financial position of St. Luke's Hospital Center at December 31, 1967 and the results of its operations for the year ended, in accordance with generally accepted accounting principles applied on a basis consistent with that of the preceding year.

MacNICOL, JOHNSON & CO.  
Certified Public Accountants

New York, N. Y.  
July 24, 1968

# St. Luke's Hospital Center

Comparative Balance Sheet as of

## ASSETS

	December 31, 1967	December 31, 1966	
<b>General Fund</b>			
Cash in banks and on hand .....	\$ 128,015.00	\$ 131,410.00	
Patients' accounts receivable .....	\$ 6,614,872.62	\$ 5,767,229.31	
Less: Allowance for uncollectible accounts ..	1,179,039.76	1,172,254.83	
Miscellaneous accounts receivable .....	5,435,832.86	4,594,974.48	
Investments .....	134,006.39	126,511.99	
Inventories of supplies .....	24,480.28	24,385.88	
Prepaid expenses .....	363,873.87	298,380.22	
Construction and plant rehabilitation in progress .....	113,395.57	165,772.15	
<b>Total</b> .....	<u>264,758.10</u>	<u>364,401.07</u>	
<b>Unrestricted Reserve Fund</b>	<u>6,464,362.07</u>	<u>5,705,835.79</u>	
<b>St. Luke's Hospital:</b>			
Cash in bank .....	95,206.70	83,509.76	
Investments .....	1,729,661.10	1,072,746.98	
Due from General Fund .....	1,200,000.00	1,300,000.00	
<b>Woman's Hospital:</b>			
Cash in bank .....	14,577.09	2,827.09	
Investments .....	1,019,347.67	1,019,347.67	
Due from Oual Century Fund .....	1,955,000.00	1,955,000.00	
<b>Total</b> .....	<u>6,013,792.56</u>	<u>5,433,431.50</u>	
<b>Endowment Funds</b>			
<b>St. Luke's Hospital:</b>			
General and Restricted Endowment Funds:			
Cash in bank .....	153,627.97	16,007.05	
Investments .....	22,950,959.82	23,991,095.05	
Due from Community Facilities Building Fund .....	1,987,912.16	—	
<b>Total</b> .....	<u>25,092,499.95</u>	<u>24,007,102.10</u>	
Less: Temporary Funds' undivided interest Plant Replacement Fund undivided interest .....	646,670.27	589,256.94	
<b>Total</b> .....	<u>397,472.55</u>	<u>—</u>	
<b>The A. Van Horne Stuyvesant Memorial Fund:</b>	<u>1,044,142.82</u>	<u>589,256.94</u>	<u>23,417,845.16</u>
Cash in bank .....	18,070.61	8,553.24	
Investments .....	6,190,363.16	6,016,632.47	
Building and equipment— Stuyvesant Pavilion (less accumulated depreciation) .....	2,558,316.52	8,766,750.29	2,666,918.44
<b>Woman's Hospital:</b>			
General and Restricted Endowment Funds:			
Cash in bank .....	2,017.28	6,233.92	
Investments .....	2,268,391.80	2,266,134.97	
<b>Total</b> .....	<u>2,270,409.08</u>	<u>2,272,368.89</u>	
Less: Temporary Funds' undivided interest ..	20,910.66	20,921.80	
<b>Total</b> .....	<u>35,064,605.84</u>	<u>34,361,396.40</u>	
<b>Temporary Funds for Designated Purposes</b>			
<b>St. Luke's Hospital:</b>			
Cash in bank .....	\$ 140,357.31	\$ 170,800.27	
Investments .....	238,605.20	254,384.45	
Undivided interest in Endowment Funds assets .....	646,670.27	589,256.94	
Due from General Fund .....	972,620.48	1,085,734.11	
<b>Woman's Hospital:</b>			
Cash in bank .....	55,599.52	47,593.74	
Investments .....	965.06	—	
Undivided interest in Endowment Funds assets .....	20,910.66	20,921.80	
<b>Total</b> .....	<u>77,475.24</u>	<u>20,921.80</u>	<u>68,515.54</u>
<b>Building Funds</b>	<u>2,075,728.50</u>	<u>2,168,691.31</u>	
<b>Dual Century Fund:</b>			
Cash in bank .....	126,948.35	219,474.92	
Investments .....	416,154.51	558,540.63	
Pledges receivable .....	390,240.46	432,118.48	
Construction in progress .....	1,448,379.47	926,868.93	
<b>Community Facilities Building Fund:</b>			
Cash in bank .....	10,356.91	—	
Construction in progress .....	1,977,555.25	1,987,912.16	
<b>Total</b> .....	<u>4,369,634.95</u>	<u>2,137,002.95</u>	
<b>Plant Funds</b>			
<b>Plant Replacement Fund:</b>			
Due from General Fund .....	46,450.19	—	
Due from Temporary Funds for Designated Purposes .....	9,205.03	—	
Undivided interest in Endowment Funds assets .....	397,472.55	453,127.77	
<b>Plant Fund:</b>			
Cash in bank .....	16,994.63	12,974.80	
Investments .....	1,070,000.00	1,020,000.00	
Hospital properties and equipment (less accumulated depreciation) .....	23,080,657.16	24,177,651.79	22,127,145.10
<b>Total</b> .....	<u>24,630,779.56</u>	<u>23,160,119.90</u>	<u>23,160,119.90</u>
<b>TOTAL ASSETS</b> .....	<u>\$78,618,903.48</u>	<u>\$72,966,477.86</u>	

# Balance Sheet

C 1

December 31, 1967 and December 31, 1966

## LIABILITIES AND FUND BALANCES

	December 31, 1967		December 31, 1966	
<b>General Fund</b>				
Accounts payable .....	\$	892,207.18	\$	637,115.97
Accrued salaries payable .....		442,125.73		370,957.99
Payroll taxes withheld and accrued .....		252,590.59		202,809.95
Due to Unrestricted Reserve Fund .....		1,200,000.00		1,300,000.00
Due to Temporary Funds for Designated Purposes .....		972,620.48		1,085,734.11
Due to Plant Replacement Fund .....		46,450.19		—
Accrued Medicaid rate adjustment .....		210,949.20		—
Other liabilities .....		<u>154,862.83</u>		<u>116,284.93</u>
<b>Total Liabilities</b> .....		<b>\$ 4,171,806.20</b>		<b>\$ 3,712,902.95</b>
Reserve for special appropriations .....		226,496.75		419,888.42
General Fund balance .....		<u>2,066,059.12</u>		<u>1,573,044.42</u>
<b>Total</b> .....		<u><b>6,464,362.07</b></u>		<u><b>5,705,835.79</b></u>
<b>Unrestricted Reserve Fund</b>				
St. Luke's Hospital .....		3,024,867.80		2,456,256.74
Woman's Hospital .....		<u>2,988,924.76</u>		<u>2,977,174.76</u>
<b>Total</b> .....		<u><b>6,013,792.56</b></u>		<u><b>5,433,431.50</b></u>
<b>Endowment Funds</b>				
<b>St. Luke's Hospital:</b>				
General Endowment Funds principal .....	13,098,339.53		12,750,621.24	
Restricted Endowment Funds principal .....	<u>10,950,017.60</u>	24,048,357.13	<u>10,667,223.92</u>	23,417,845.16
The A. Van Horne Stuyvesant Memorial Fund principal .....		8,766,750.29		8,692,104.15
<b>Woman's Hospital:</b>				
General Endowment Funds principal .....	1,969,921.14		1,971,720.88	
Restricted Endowment Funds principal .....	<u>279,577.28</u>	<u>2,249,498.42</u>	<u>279,726.21</u>	<u>2,251,447.09</u>
<b>Total</b> .....		<u><b>35,064,605.84</b></u>		<u><b>34,361,396.40</b></u>
<b>Temporary Funds for Designated Purposes</b>				
<b>St. Luke's Hospital:</b>				
Due to Plant Replacement Fund .....	\$	9,205.03	\$	—
Unexpended income from Restricted Endowment Funds .....		602,798.26		445,602.44
Unexpended donations for designated purposes .....		<u>1,386,249.97</u>	1,998,253.26	<u>1,654,573.33</u>
				2,100,175.77
<b>Woman's Hospital:</b>				
Unexpended income from Restricted Endowment Funds .....		7,642.96		16,005.44
Unexpended donations for designated purposes .....		<u>69,832.28</u>	<u>77,475.24</u>	<u>52,510.10</u>
<b>Total</b> .....		<u><b>2,075,728.50</b></u>		<u><b>2,168,691.31</b></u>
<b>Building Funds</b>				
<b>Dual Century Fund:</b>				
Accounts payable .....		20,147.82		89,915.22
Due to Unrestricted Reserve Fund .....		1,955,000.00		1,955,000.00
Dual Century Fund Reserve .....		<u>406,574.97</u>	2,381,722.79	<u>92,087.74</u>
				2,137,002.96
<b>Community Facilities Building Fund:</b>				
Due to Endowment Funds .....		<u>1,987,012.16</u>		—
<b>Total</b> .....		<u><b>4,369,634.95</b></u>		<u><b>2,137,002.96</b></u>
<b>Plant Funds</b>				
Plant Replacement Fund Reserve .....		453,127.77		—
<b>Plant Fund:</b>				
Loan payable .....	425,000.00		450,000.00	
Plant Capital .....	<u>23,752,651.79</u>	<u>24,177,651.79</u>	<u>22,710,119.90</u>	<u>23,160,119.00</u>
<b>Total</b> .....		<u><b>24,630,779.56</b></u>		<u><b>23,160,119.90</b></u>
<b>TOTAL LIABILITIES AND FUND BALANCES</b> .....				
		<b>\$78,618,903.48</b>		<b>\$72,966,477.86</b>

# St. Luke's Hospital Center

## Comparative Statement of Income and Expenses for the Years Ending December 31, 1967 and December 31, 1966

	1967	1966
<b>Net Operating Income</b> .....	\$20,851,197.50	\$16,508,018.68
<b>Operating Expenses</b>		
Salaries, wages and fees .....	15,727,973.98	13,265,332.24
Supplies, expenses and food .....	6,971,700.02	5,437,963.17
Provision for depreciation—funded .....	860,000.00	—
Recovery of expenses (deducted) .....	(679,392.77)	(361,044.38)
<i>Net Operating Expenses</i> .....	<u>22,880,281.23</u>	<u>18,342,251.03</u>
<i>Net Operating Loss</i> .....	2,029,083.73	1,834,232.35
<b>Supplementary Income</b>		
Income from Investments of:		
General Endowment Fund .....	772,841.46	757,616.60
Unrestricted Reserve Fund .....	185,470.00	255,080.41
The A. Van Horne Stuyvesant Memorial Fund .....	332,791.45	323,872.88
Unexpended donations for designated purpose .....	3,860.70	3,936.58
Income from various trusts and estates .....	144,876.00	32,369.26
United Hospital Fund .....	29,846.00	36,271.00
Greater New York Fund .....	47,919.00	53,041.00
Appropriated from temporary funds for designated purpose .....	480,185.95	517,190.43
Appropriated from reserve for special appropriation .....	50,316.19	120,564.98
Donation for general purposes .....	124,924.78	147,328.43
Annual subscriptions for support of beds .....	12,500.00	12,500.00
Hospitality Shop, net profit (loss) .....	(13,600.99)	(16,422.05)
Net profit (loss) on sale of securities .....	2,891.35	(1,758.22)
Excess of insurance proceeds over fire loss .....	30,983.67	—
Social Service Department Income:		
Appropriated from temporary funds for designated purposes .....	32,916.00	34,467.14
United Hospital Fund .....	4,695.00	4,841.00
Greater New York Fund .....	15,717.00	16,329.00
Thrift Shop income .....	2,975.70	5,293.16
Donations, dues and miscellaneous .....	16,221.01	13,674.13
<i>Total Supplementary Income</i> .....	<u>2,278,330.27</u>	<u>2,316,195.73</u>
<i>Profit (or Loss) before Unfunded Depreciation</i> .....	249,246.54	481,963.38
Provision for Depreciation—not funded .....	722,460.16	758,148.37
<i>Excess of Expenses over Income for Year</i> .....	<u>\$ 473,213.62</u>	<u>\$ 276,184.99</u>

# St. Luke's Hospital Center

## Condensed Statement of Income and Expenses for the Year Ended December 31, 1967

### OPERATING INCOME

1967

#### Income from Patients

Private patients .....	\$ 3,716,530.13
Semi Private patients .....	8,047,464.96
Ward patients .....	6,000,120.43
Newborn Infants .....	448,504.78
Private Ambulatory patients .....	272,666.08
Clinic patients .....	1,341,937.60
Emergency Room patients .....	695,377.44
Home Care patients .....	53,278.52
<i>Net Income from Patients</i> .....	<u>\$20,575,879.94</u>

### OTHER OPERATING INCOME

Training School Fees .....	\$ 52,886.32
Recoveries of Accounts written off .....	7,723.33
Discounts on purchases .....	35,612.36
Sales of materials, supplies and scrap .....	5,924.67
Rents and Commissions .....	19,996.61
Services charged to Research Grants .....	137,969.74
Miscellaneous .....	15,204.53
<i>Total Other Operating Income</i> .....	<u>\$ 275,317.56</u>
<i>Total Operating Income</i> .....	<u>\$20,851,197.50</u>

### OPERATING EXPENSES

Professional Care — General .....	\$ 2,345,075.17
Professional Care — Nursing .....	5,298,304.40
Professional Care — Special .....	3,872,564.55
Out Patient Services .....	957,510.25
Social Service Department .....	225,273.24
Household and Maintenance Departments .....	5,416,176.03
Administration and General .....	4,584,770.36
Provision for Depreciation — Funded .....	860,000.00
Recovery of Expenses (Deducted) .....	679,392.77
<i>Net Operating Expenses</i> .....	<u>\$22,880,281.23</u>
<i>Net Operating Loss</i> .....	<u>\$ 2,029,083.73</u>

### SUPPLEMENTARY INCOME .....

Profit Before Unfunded Depreciation .....	\$ 249,246.54
---	---------------

### PROVISION FOR DEPRECIATION — Not Funded .....

	<u>\$ 722,460.16</u>
--	----------------------

### EXCESS OF EXPENSES OVER INCOME

For the Year .....	<u>\$ 473,213.62</u>
--------------------	----------------------





## Our Benefactors . . .

The following pages list the names of many of the generous friends of the Hospital Center who have contributed to the support of the various special needs of St. Luke's and Woman's. Benefactors of one hundred dollars or more are listed by name. While space does not permit the listing of the many contributors of smaller amounts, our appreciation is nonetheless great. That the Hospital Center has been able to maintain its high standards of patient care is due largely to the continued interest and loyalty of all contributors. The Board of Trustees, on behalf of the professional staffs and all the Hospital Center personnel gratefully acknowledges this financial assistance.

### Gifts for General Purposes — 1967

Gifts of \$1,000 and Over . . . . .	34
Gifts of \$500 to \$1,000 . . . . .	17
Gifts of \$100 to \$500 . . . . .	109
Gifts of \$50 to \$100 . . . . .	76
Gifts Under \$50 . . . . .	1,441
<hr/>	
Total Number of Donations . . . . .	1,677
Total Amount Contributed . . . . .	\$104,643.88



## Gifts Were Given in Memory of the following:

Mrs. Douglas Allan  
Dr. Ralph L. Barrett  
Mr. Robert Beaubien  
Dr. William H. Berry  
L. C. Bigelow  
Mr. Otto Bloomfield  
Mr. Alan T. Bogart  
Maria & Antonio Boullosa  
Mrs. Ida Brooks  
Frances Brommersberg  
Mrs. Frances Brunstetter  
Dr. Edward A. Bullard  
Mrs. Frances Casper  
Mrs. George L. Cheney  
Mrs. Audrey Citron  
Mr. Max Corash  
Charlotte E. Crane  
Edgar G. Crossman  
Mrs. Howland S. Davis  
Mabel Detmold  
Mr. Francis Stilwell Dixon  
Edna Dobell  
Mrs. Helena Ellis  
Mrs. Ida Finkelstein  
Andrew Fishbein  
Louise C. Fonner  
Mrs. Nancy T. Gardner  
Mr. Isidore Gottlieb  
Rev. Allan B. Grayson  
Mrs. Charles C. Haffner  
Mr. Hal Hazelrigg  
Dr. George Hoch  
Tobins Holloschutz  
Arthur W. Holmes  
Dr. E. Livingston Hunt  
Mr. Roscoe Hupper  
Mrs. Mae Husty  
Mrs. Constance Hutchinson  
Miss Lois Jaffe  
Elizabeth Jennings  
Mr. Frank Jacoby  
Mr. Andrew Juliano  
Mrs. Kay  
Dr. John H. Keating, Sr.  
Mrs. Lewis R. Keheley  
Elsie Kendall

Agnes H. Kerr  
Rev. William Kidd  
Robin S. Kochman  
Mrs. Muriel Kopito  
Dr. Monroe Kunstler  
Mr. Samuel Langner  
Duncan MacDougall Little  
Mr. Joseph Long  
Mr. Thomas T. Lumm  
Mr. Edward McClosky  
Mr. James McVickar  
Commissioner James R. Mac Duff  
Mr. Cedric Major  
Mrs. Lloyd Mann  
Mr. Leonard Marcus  
Mrs. Agnes W. Mastick  
Mrs. Clara Mayer  
Mr. Oreon Mills  
Mrs. Helen Monaghan  
June Thomson Moore  
Mrs. Josephine Morriss  
Oscar Narveson  
Mr. Edward Ness  
Mrs. Anna Newman  
Mr. George O'Connor  
Mr. David C. Patterson  
Leonie Penin  
Mr. A. C. Rawkin  
Mr. Benjamin Rechetnick  
Mrs. Mary Reisinger  
Mr. Edwin H. Richard  
Dr. Beverley Robinson  
Baroness Clarice de Rothschild  
William J. Rudolph, Jr.  
Agnes Saunders  
Maria Schmidinger  
Mr. Arthur Schmitt  
Mrs. Ida Schneider  
Leah B. Schrader  
Mrs. Albert Schultz  
Mr. Max Schwartz  
Mr. Sam Schwartz  
Bernard Segal  
Estelle Golden Seeb  
Elizabeth Van Leer Sharp  
Mrs. Beatrice Shenkin

Mrs. Clifford A. Sloan  
 Miss June Smith  
 Mr. Adolphe E. Smylie  
 Miss Helen Spear  
 Miss Emily Steedman  
 Mrs. Eleanor S. Stevens  
 Mrs. M. Stevenson  
 Mrs. John Turner  
 Louise Bye Twombly  
 Mr. LeRoy Van Hoesen, Sr.

Elizabeth W. Vaughan  
 Mr. Staughton Walker  
 Mrs. Katherine Wehness  
 Mr. Herman F. Whiton  
 Donna Bain Wiggins  
 Mrs. Bertha Wilhelm  
 Dr. Frederick Wilke  
 Mrs. Lena Willner  
 Rev. George C. Wyatt  
 Mrs. Kathryn Zink

## Dual Century Fund Contributors 1967

### \$1,000 and Over

Allen, Mrs. Mary B.  
 Altman Foundation  
 Anonymous-1  
 Babcock, Mr. F. Huntington  
 Baker, Estate of John Stewart  
 Barker Welfare Foundation  
 Blackmer Foundation, Henry M.  
 Booth Ferris Foundation  
 Burden Foundation, Florence V.  
 Chamberlin, Mr. W. Macy  
 Columbia University in the City of  
 New York  
 Cromwell, Mr. Jarvis  
 Ferwerda Foundation  
 Fowlkes, Mrs. J. Winston  
 Garver, Mr. Chauncey B.  
 Goelet, Mr. Robert G.  
 Granger, Mr. & Mrs. David  
 Guggenheim, Mrs. Simon  
 Guthrie, Mr. Henry B.  
 Humes, Mr. John P.  
 Hyde Foundation, Lillia Babbitt  
 Irving Trust Co.  
 Ives, Mr. & Mrs. Kenneth A.  
 Manice Foundation, Beatrice Goelet  
 Manufacturers Hanover Trust Co.  
 Michel, Mr. Clifford W.  
 Miller, Mrs. Danforth  
 Mixsell, Mrs. Harold R.  
 Moley, Malcolm, M.D.  
 Monell Foundation, Ambrose  
 Pease, Mr. Perry R.  
 Rhode Island Corporation  
 St. Luke's Hospital Center Auxilliary  
 and Assistant Board of  
 Woman's Hospital

Schieffelin, Jr., Mr. William Jay  
 Stout, Mr. A. Varick  
 Stubbs, Mr. Merrill  
 Surdna Foundation  
 Treadwell, Brig. & Mrs. John W. F.  
 Trinity Church  
 Vander Poel, Mr. William H.  
 Von Bothmer, Mrs. Dietrich  
 Whitridge, Col. & Mrs. Arnold  
 Yue, Shyh-Jong, M.D.

### \$500-\$1,000

American Savings Bank  
 Begg, Charles F., M.D.  
 Cushman, Mr. Paul  
 Geer, Francis G., M.D.  
 Lavengood, Russell W., M.D.  
 Liegner, Leonard, M.D.  
 Michalis, Mr. Clarence F.  
 Parsons, Herbert, M.D.  
 Rabinowitz, Mr. Aaron  
 Rothschild, Mr. Walter N.  
 Ryan, Mrs. Clendenin

### \$100-\$500

Aldridge, John S., M.D.  
 Anonymous-1  
 Athos, William J., M.D.  
 Bell, Jr., A. L. Loomis, M.D.  
 Burnett, Mr. Maurice  
 Caviness, Miss Lois  
 Clarke, Mr. Dana C.  
 Gilbert, C. Louis, M.D.  
 Glavin, Richard J., M.D.  
 Goldstone, Jonas M., M.D.  
 Goodbody, Jr., Maurice F., M.D.

Grieco, Michael H., M.D.  
 Harrold, Charles C., M.D.  
 Hazlett, Jane, M.D.  
 Hirshon, Mr. Walter  
 Hopewell, William S., M.D.  
 Irvine, Jed H., M.D.  
 Kightlinger, Benjamin N., M.D.  
 Landfield, Mr. Sander  
 Lee, Sui Tsung, M.D.  
 Lintz, Joseph, M.D.  
 Lintz, Worth Boyd, M.D.  
 Nolan, Dr. & Mrs. John J.  
 Perelman, Louis, M.D.  
 Pershing Foundation, Muriel R.  
     & Francis W.  
 Randall, James, M.D.  
 Reisner, Jr., Edward H., M.D.  
 Richards, Charles H., M.D.  
 Scoville, Jr., Mr. Herbert

Sivigny, Edward J., M.D.  
 Smith, Craig N., M.D.  
 Spielman, Frank, M.D.  
 Stone Foundation  
 Stothers, Hilton H., M.D.  
 Swift, Lucy H., M.D.  
 Wakeham, Isabella S., M.D.  
 Ward, Joseph N., M.D.  
 Warfield, Mr. Ethelbert  
 Weisberg, Howard K., M.D.  
 Weller, Ralph N., M.D.  
 Westcott, F. H., M.D.  
 Whitfield, Stanley, M.D.  
 Wiener, Jerry M., M.D.  
 Wilson, Charles P., M.D.  
 Wright, Myron C., M.D.  
 Zickel, Robert E., M.D.  
 Zintel, Harold, M.D.

## Contributors to General and Special Funds 1967

### **\$1,000 and Over**

Ackermann Memorial Fund, G. A.  
 Alexander, Mr. Douglas H.  
 Altman Foundation  
 Anonymous-8  
 Arthritis and Rheumatism  
     Foundation, Inc.  
 Bingham, Jr., Mr. Harry P.  
 Bingham, Mrs. Harry P.  
 Blum Fund, Robert E.  
 Boocock, Mrs. Kenyon  
 Bostwick, Mr. Albert C.  
 Bridge Inc., The  
 Burroughs Wellcome & Co., (U.S.A.) Inc.  
 Cartwright, Mr. Aubrey  
 Cerf, Mr. Bennett  
 Clark, Mrs. Charles M.  
 Clark Foundation, Robt. Sterling  
 Clemens Fund, Inc., The Marie Heye  
 Coleman, Mr. John A.  
 Columbia University in the City of  
     New York  
 Culpepper Foundation, Inc., Charles E.  
 Damon Runyon Memorial Fund

Darling Foundation, The Herbert F.  
 Darling, Mrs. Herbert F.  
 Davids, Arthur M., M.D.  
 Davis, Polk, Wardwell,  
     Sunderland & Kiendl  
 Draper, John W., M.D.  
 Eristoff, Mrs. Constantine Sidamon  
 Foote, Estate of Ernest C.  
 Fosburgh Fund, Inc.  
 Fraser, Robert W., M.D.  
 George, Mrs. Roland J.  
 Giblin, Mrs. Constance T.  
 Grace, Mrs. W. R.  
 Grant, Mrs. Elizabeth Swords  
 Greene Fund, Orland S. & Frances S.  
 Guthrie, Mr. Henry B.  
 Haffner Foundation  
 Hartford Foundation, Inc., The John A.  
 Hoffman-La Roche, Inc.  
 Holmes Foundation, Inc.  
 Howson, Estate of Marjorie  
 Ives, Mr. & Mrs. Kenneth A.  
 Jarvis, Miss Edith L.  
 Killock Foundation, Inc., The  
 Kochman, Dr. & Mrs. Richard

Lillis Foundation, The  
 Lindsley Fund, John  
 Lipton Foundation, Inc., Thomas J.  
 Major Foundation, Cedric  
 Markle, Mrs. Nancye Fleming  
 McLean, Mrs. James Monroe  
 Merck & Co., Inc.  
 Merrill Trust, Charles E.  
 Miller, Mrs. Danforth  
 Minton Fund  
 Mixsell, Mrs. Harold R.  
 New York Heart Association, Inc.  
 Norfleet, Miss Grizelle M.  
 Ortho Pharmaceutical Corporation  
 Parker Charitable Trust, Minnie  
 Patterson, Mrs. Elizabeth L.  
 Phipps, Mrs. Howard  
 Prentice, Mrs. Clarence C.  
 Reader's Digest Association, The  
 Reisinger Medical Trust, Curt H.  
 Research Corporation  
     (Williams Waterman Fund)  
 Riker Fund, Mary Jackson  
 St. Andrews Convalescent Hospital  
 St. Luke's Hospital Center Auxiliary &  
     Assistant Board of Woman's Hospital  
 St. Thomas Church  
 Schweckendieck Trusts, Edith M.  
 Scott Memorial Fund  
 Scott Foundation, Walter  
 Scoville, Miss Edith  
 Sloan Foundation, Alfred P.  
 Sloan, Mr. Clifford A.  
 Smith, Mrs. Herbert J.  
 Spetnagel, Miss Elizabeth A.  
 Spetnagel, Miss Louise deB.  
 Squibb & Sons Inc., E. R.  
 Stark, Richard B., M.D.  
 Stevens, Mr. John E.  
 Stony Wold Corporation  
 Strasburger Memorial, The Irwin  
 Switzer Foundation  
 Swords, Mr. Jacquelin A.  
 Talcott Fund, Inc., James  
 Thomas, Samuel F., M.D.  
 Tobacco Research-U.S.A., The  
     Council For  
 Treadwell, Brig. & Mrs. John W. F.  
 Trinity Church  
 Unimed, Inc.  
 Vander Poel, Mrs. Blanche P. B.  
 Vander Poel, Mr. William H.  
 Vaughan, Mrs. Eleanor  
 Ward, Miss Mary E.  
 Waters, Mr. & Mrs. Robert H.

Webb, Mr. Samuel B.  
 (Wells, Mr. John S. &  
     Brand, Mr. Frank)  
 West, John P., M.D.  
 Whitehall Foundation, Inc.  
 Wiggins, Mr. Grafton  
 Wildner Foundation  
 Wildner, Mrs. Harry C.  
 Winston, Harry, Inc.

#### **\$500 to \$1,000**

Advanced Laboratory Associates, Inc.  
 Alexander, Miss Helen D.  
 Anonymous-1  
 Beekman, Robert S., M.D.  
 Campbell, Mr. & Mrs. Joseph  
 Case, Robert B., M.D.  
 Class of 1967  
 Cleveland, Mr. Charles A.  
 Doubleday, Mrs. Russell  
 Elebash, Marjean  
 Ehre, Samuel, M.D.  
 Ferguson, Mrs. May Echols  
 Finby, Nathaniel, M.D.  
 Flood, Dr. & Mrs. Charles A.  
 Fox, Lewis, M.D.  
 Francis, Estate of Arthur E.  
 Frank, Mr. Walter N.  
 Frohnknecht, Mr. & Mrs. O. C.  
 Guthrie, Mrs. Randolph H.  
 Hartley Corporation  
 Hirsch, Mr. Jules  
 International Business Machines Corp.  
 Kappa Beta Chapter of the Alpha  
     Phi Omega Fraternity  
 Klee, Mr. David  
 Kuehn, Mr. C. C.  
 Lane, Mrs. Frances A.  
 Leeming, Mr. Leonard B.  
 Lockwood, Mr. John E.  
 Mathews, Mr. Hiram A.  
 Morgenstern, Mr. & Mrs. Morris  
 Morsman, Jr., Mr. Joseph J.  
 Oaklawn Foundation  
 Phillips Foundation, Inc.,  
     Charlotte Palmer  
 Riverside Church  
 St. George Society of N. Y.  
 St. Martin's Church  
 Schur, Mr. Joel  
 Schwartz, Miles J., M.D.  
 Sealtest Foods  
 Singer Charitable Trust, Anna T.  
 Singer, Jr., Mrs. G. Harton

Tudor Foundation, Inc.  
Union Theological Seminary  
Woudhuysen, Andries D.

### **\$100 to \$500**

Abegg, Mrs. Werner  
Aborn, Mr. Julius  
Anderson, Mr. Robert  
Andrews, Mr. Prescott R.  
Anonymous-1  
Athos, William, M.D.  
Baker, James A., M.D.  
Banks, Mrs. Charles G.  
Barrett, Mr. C. Reddington  
Beinecke, Mrs. Katherine  
Beinecke, Jr., Mr. Walter  
Bell, A. L. Loomis, M.D.  
Biechoff, Dr. & Mrs. Alan F.  
Blancato, Louis S., M.D.  
Boyd, Mr. & Mrs. Hugh  
Breen, Miss Adele  
Brooks, Mr. & Mrs. Chester E.  
Bunce, Mrs. Hazel W.  
Bunker, Mrs. Arthur H.  
Bunker, Estate of Arthur H.  
Burford, George E., M.D.  
Butler, Mrs. Arthur  
Camp, Mr. Kingsland  
Chase, Mr. & Mrs. William J.  
Childs, Edward P., M.D.  
Childs, Jr., Mrs. Frederick R.  
Chu, Mrs. Lucy  
Clark, Mrs. Hugette  
Coleman, Mr. Leighton H.  
Coleman, Mr. Stewart P.  
Collamer Foundation, Nelson  
Copeland, Mr. Lammont DuP  
Coster, Mrs. Gerard H.  
Crampton, Richard S., M.D.  
Cromwell, Mr. Jarvis  
Cushman, Jr., Paul, M.D.  
Cutler, Mr. & Mrs. Howard  
Davila, Mr. Sergio  
De Natale, Mr. Guido  
Dermksian, George, M.D.  
Dewey Fund, Thomas E.  
Dombroski, Mr. Stephen  
Dominick, Mr. Bayard  
Dunnington, John H., M.D.  
DuPont, Mrs. Kay  
Eggers, Harry, M.D.  
Employees of the State  
Income Tax Bureau

Fashion Seal Uniforms  
Fink, Mr. Peter  
Finnerman & Co., Inc., Edward T.  
Finnerty, James J., M.D.  
First District Dental Society  
Fletcher, Mr. & Mrs. Walter D.  
Forgan, Mr. J.  
Frelinghuysen, Miss Matilda E.  
Geer, Francis G., M.D.  
Gerstein Mr. & Mrs. Jacob  
Gillette, Mr. & Mrs. E. H.  
Ginsberg, Mr. & Mrs. Jack  
Gonzalez, Mr. Edward W.  
Gordon, Mr. & Mrs. Crawford  
Greenberger, Mr. & Mrs. Irving B.  
Grolier Foundation  
Hassel, Mr. Charles J.  
Hay, Mrs. Clarence L.  
Healy, Mr. Augustine  
Holmes, Mrs. J. Alcott  
Holmes, Miss Rebecca A.  
Holt, Peter R., M.D.  
Hopeman, Mrs. Albert A.  
Houston, Mrs. Robert L.  
Humes, Mr. John P.  
Hutton, Mrs. John L.  
Hyde, Mr. John Barker  
Jennings, Mr. Gould  
Jobson, Mr. Frank C.  
Johnston, Barbara, M.D.  
Kahn, Mr. Gilbert W.  
Kaye, Mr. H. Austin  
Kemp, Mr. Robert duBois  
Keniston, Mrs. Mary E.  
Kerr, Mrs. Margaret  
Knott, Mr. James  
Kovner, Mr. Benjamin  
Latsey, Van P., M.D.  
Lawrence, Mr. Howard A.  
Lincoln, Mr. Frederick  
Litchfield, Mrs. Arthur  
Lockie, Mr. Andrew S.  
Loengard, Mr. & Mrs. Richard O.  
Lovejoy, Mrs. Frederick H.  
Lowe, Jr., Mr. & Mrs. Gerald  
Lynn, Mr. Vernon R. Y.  
Lyon, Mrs. Katherine K.  
McDonald, Mr. & Mrs. Willis  
McGrath, Anne Newell  
McKim, Mr. Robert J.  
Maclay, Mrs. Alfred B.  
Marcus, Mr. Jefferson H.  
Martin, Mr. Walter H.  
Maya Corporation  
Melamid, Mr. George

Metzger, Mr. & Mrs. Herbert J.  
 Michelman, Mr. Samuel  
 Milbank, Mr. & Mrs. Jeremiah  
 Minott, Mr. & Mrs. Joseph A.  
 Modesti, Virginia  
 Montgelas, Mrs. Barbara T.  
 Morgan, Mr. Henry S.  
 Morgan Stanley & Co.  
 Morningside Group of Anesthesiologists  
 Morton, Mrs. Rose P.  
 Munch, Mr. William  
 National X-Ray Products Corp.  
 N R A, Inc.  
 O'Brien, Mrs. James E.  
 (O'Reilly, Mrs. Margaret M.)  
 (O'Reilly, Miss Margaret)  
 Osborn, Mrs. Frederick  
 Parish, Mr. Henry II  
 Patrick, Miss Elizabeth  
 (Peck, Mrs. Margaret)  
 (Peck, Miss Evelyn)  
 Pesenti, Mr. Joseph A.  
 Pierot, Mr. Jacques III  
 Pratt, Dallas, M.D.  
 Pratt, Mrs. Richardson  
 Radcliffe, Miss Gertrude S.  
 Rasmussen, Mr. Leslie W.  
 Rathemacher, Mr. John  
 Rau, Miss Violet  
 Reeves, Robert A., M.D.  
 Reisner, Edward H., M.D.  
 Richman, Alfred A., M.D.  
 Righter, Mr. James H.  
 Robinson, Jr., Mr. & Mrs. Henry S.  
 Rockefeller, Mrs. Laurence S.  
 Rothschild, Mrs. Walter N.  
 Rue, Mrs. Francis J.  
 Ryan, Mr. Allan A.  
 Ryan, Mr. William J.  
 St. Luke's Hospital Center  
 Maintenance Dept.  
 Sanders, Jr., Mrs. Frank K.  
 Schmidinger, Mrs. Joseph  
 Schnakenberg, Mr. Henry  
 Shelton, Mr. & Mrs. Talbot  
 Sherry, Mr. Marcus D.  
 Simon Foundation, Inc.  
 Smith, Mr. Adolph Q.  
 Smith, Mrs. John C.  
 Smithers, C. F.  
 Sparrow, Mr. Edward G.  
 State Income Tax Bureau, Employees  
 Stout, Mr. Gardner D.  
 Stradella, Mr. & Mrs. C. P.  
 Straus, Mrs. Ralph I.  
 Stroh, Edward, M.D.  
 Sutcliffe, Mr. Arthur T.  
 Thompson, Frederick R., M.D.  
 Trees, Mrs. Clyde C.  
 Trent, Jr., Mr. William J.  
 Tuul, Aino, M.D.  
 Turtle Bay Association, Inc.  
 Van Itallie, T.B., M.D.  
 Vietor, Mr. Alexander O.  
 Wardwell, Mr. Edward R.  
 Wellington, Mr. & Mrs. H. F.  
 Whiting, Frederick L., M.D.  
 Williamson, Mrs. F. E.  
 Winslow, Miss Carolin G.  
 Winthrop Laboratories  
 Wollenberg, Mr. Abel L.  
 Woolley, Mrs. Knight  
 Worcester, Mr. Dean K.  
 Young & Rubicam, Inc.

# Gifts for Special Purposes

1967

Ada Fund for Surgical Service .....	\$ 200.00
Anesthesia Service Fund .....	1,350.00
Arthritis & Rheumatism Foundation Clinic Grant .....	1,250.00
Auxiliary Operating Fund .....	12,167.75
Baird Foundation For Social Service .....	220.00
Aldo R. Balsam Fund for Intensive Care Unit .....	3,029.38
The Bridge .....	9,500.00
The Children's Ward Fund .....	100.00
Christmas Fund .....	815.00
Clemens Fund for Clinic Care .....	5,000.00
Coronary Intensive Care Unit Fund .....	629.00
Danziger Appliance Fund .....	500.00
Dental Service General Fund .....	105.00
Dietary Staff Fund .....	1,485.04
Ear Nose Throat Fund .....	390.00
Employees Education Fund .....	199.55
External Cleaning of Muhlenberg Building Fund .....	1,525.00
Eye Service Fund .....	300.00
Fleming Fund for Indigent Patients Needing Plastic Surgery .....	1,000.00
Dr. Flood Gastro Intestinal Fund .....	850.00
Gastro Intestinal Unit Fund .....	100.00
Gastro Intestinal Clinic Fund .....	50.00
Sarah W. George Fund for Recreational Therapy .....	23,000.00
Carolyn Lathrop Goldsmith Private Patient Fund .....	1,524.10
Grants Manager's Discretionary Fund .....	500.00
Pedro Gualtero Plastic Surgery Fund .....	5,571.80
Hartley Scholarship Fund .....	500.00
Interns & Residents Loan Fund .....	862.00
John Keating Sr., Memorial Fund .....	1,000.00
Dr. V. C. Latsey Fund .....	750.00
Maude Leland Trust Fund .....	100.65
John Lindsley Fund for Orthopedic Surgery .....	25,000.00
Medical Library Fund .....	350.00
Medical Service Attending Fund .....	1,172.80
Medical Service Discretionary Fund .....	5,889.88
Miscellaneous .....	13,776.47
Elizabeth B. & Henry Nichols Fund for Patient Care .....	1,750.00
Nursing Service Director's Discretionary Fund .....	85.00
Pathology Department Fund .....	163.10
Patients Library Fund .....	82.50
Pediatric Service General Fund .....	845.00
Phipps Fund for Patient Care .....	9,680.99
Eleanor Pise Scholarship Fund .....	247.00
Plastic Surgery Fund .....	9,579.60
Portraits Fund .....	310.00
Psychiatric Nursing Scholarship Fund .....	1,000.00
Psychiatric Service Fund .....	10,455.00
Radiology Department Fund .....	336.90
Radio Therapy Department Fund .....	7,025.00



Recreation Therapy Fund .....	400.00
Religious Department Special Purpose Fund .....	900.00
Religious Service Works Fund .....	1,568.50
Removal of 4 Apostles Statues Fund .....	500.00
School of Nursing Purpose Fund .....	1,144.00
Schweckendieck Fund for Crippled Children .....	2,000.00
Scott Memorial Fund for Cardio Pulmonary Purposes .....	47,669.06
Walter Scott Foundation Fund .....	5,000.00
Estelle Golden Seeb Memorial Fund .....	1,018.00
Single Room Occupancy Project .....	15,000.00
Henrietta Smith Periodical Fund .....	107.21
Anonymous for Social Service .....	1,200.00
Social Service for Camp Care .....	1,325.00
Social Service Christmas Fund .....	1,082.00
Social Service Directors Fund .....	155.00
Special Equipment Fund .....	2,550.00
Special Meetings Fund .....	300.00
Special Needs of Patients Fund .....	15.00
The John Madeira & Marie Spetnagel Fund for House Officers .....	5,921.18
Stevenson Pediatric Fund .....	25.00
Surgical Service General Fund .....	2,218.25
Switzer Foundation Fund for Scholarship Awards for Student Nurses ....	1,500.00
James Talcott Fund For Scholarships .....	1,000.00
Trustees Special Fund .....	145.25
Urological Department Fund .....	1,750.00
Eleanor White Vaughan Memorial Fund	
For School Of Nursing Scholarships .....	1,200.00
Louise & D. D. Walker Fund .....	244.04
Woman's Hospital Social Service Fund .....	630.00
	<u>\$258,891.00</u>

## Gifts and Grants for Research 1967

Arthritis Research .....	\$ 9,724.31
Cancer Research .....	7,327.10
Cardiology .....	138,183.28
Cardio-Respiratory .....	55,389.75
Community Health Studies .....	124,924.74
Dermatology .....	12,120.00
Gastro-Enterology .....	61,741.07
General Research .....	133,660.07
Hematology .....	67,035.89
Medicine .....	24,495.90
Nutrition & Metabolic Research .....	230,314.64
Obstetrics & Gynecology .....	56,102.60
Orthopedics .....	1,273.00
Psychiatry .....	143,423.00
Radiology .....	5,400.00
Radio-Isotope .....	109,337.25
Renal Endocrinology .....	41,460.58
Surgery .....	18,706.67
Urology .....	9,169.50
<b>Total Gifts and Grants for Research .....</b>	<u><u>\$1,249,789.35</u></u>

## Endowments for Designated Purposes-1967

Adelaide Thaw Beach Fund—	
Estate of Adelaide Thaw Beach .....	\$ 982.63
Dean Hoffman Private Room Fund—	
Mrs. M. Thomas Katzenbach .....	45.00
Laurette DeTousard Watmough Fund—	
Trust u/w of Laurette DeTousard Watmough .....	10,000.00
Margaret Mary Fraser Fund—	
Estate of Margaret Mary Fraser .....	5,000.00
	<u>\$ 16,027.63</u>

## Memorial Endowments - 1967

Mabel Detmold Memorial Fund for Nursing Awards—	
Mr. George Detmold .....	\$ 264.22

## Unrestricted Legacies - 1967

<i>St. Luke's Hospital—</i>	
Estate of Susan Dwight Bliss .....	\$ 62,500.00
Estate of Charles E. Dunlap .....	449,167.50
Estate of Anna I. Dussot .....	100,000.00
Estate of Alice Goodman .....	80,624.13
Estate of Ada Kuhn .....	75,731.19
Estate of Ernest Lemcke .....	15,587.88
Estate of Mary M. Macy .....	9,121.90
Estate of John McChesney .....	7,000.00
Trust u/w of Mary M. McChesney .....	2,500.00
Estate of Beryl G. Newton .....	200.00
Helen M. Petit Trust .....	141.85
Trust u/w of Percy D. Vermilya .....	37,690.42
	<u>\$840,264.87</u>

<i>Woman's Hospital—</i>	
Estate of Laura Livingston Davis .....	\$ 5,000.00

## Income from Trusts and Estates

### *St. Luke's Hospital—*

Mary A. Ackerman Trust .....	\$ 6,078.00
Ruth L. Briggs Trust .....	97.66
Trust u/w Florence L. S. Clark .....	57,831.46
Estate of Anna J. Dussot .....	10,400.00
First Presbyterian Church Trust .....	7,927.87
Estate of Alice Goodman .....	3,506.48
Howie & Robertson .....	100.00
Estate of Adrian Jackson .....	8,248.96
Kurzman Trust Fund .....	277.73
Estate of Mary M. Macy .....	875.21
Percy S. Vermilya Trust .....	13,731.36
First National City Bank .....	6,404.76
	<hr/>
	\$115,479.49

### *Woman's Hospital—*

Ruth L. Briggs Trust .....	\$ 97.66
Trust u/w for Eugene Perdue .....	100.00
Ada Olson .....	100.00
Robert W. Reed .....	200.00
	<hr/>
	\$ 497.66

## Funds Received — 1967

### Recapitulation of Benefactions and Grants

#### Gifts for General Purposes

St. Luke's Hospital .....	\$ 104,643.88
Woman's Hospital .....	23,172.25
Gifts for Special Purposes .....	245,114.53
Gifts and Grants for Research .....	1,249,789.35
Endowments for Designated Purposes .....	16,027.63
Memorial Endowments .....	264.22
Miscellaneous .....	13,776.47
Unrestricted Legacies .....	845,264.87
Income from Estates and Trusts .....	15,977.15
Dual Century Fund .....	623,000.00
	<hr/>
	\$3,137,030.35

# Woman's Hospital

## Gifts for General Purposes — 1967

Gifts of \$1,000 and over .....	8
Gifts of \$500 to \$1,000 .....	4
Gifts of \$100 to \$500 .....	13
Gifts of \$50 to \$100 .....	16
Gifts of under \$50 .....	571
Total number of donations .....	612
Total amount contributed .....	\$23,172.25

### \$1,000 and Over

Avalon Foundation  
 Clarke, Jr., Mrs. Thomas L.  
 Cross Ridge Foundation  
 Davis, Mr. Howland S.  
 Grace, Mrs. W. R.  
 Huber Foundation, The  
 Noble Foundation, The Edward John  
 Williams Fund, Mildred Anna

### \$500-\$1,000

Corey, Jr., Mrs. Alan L.  
 Culpeper Foundation Inc., Charles E.  
 Hickox, Mr. & Mrs. Chas. V.  
 Ryan, Mrs. Clendenin J.

### \$100 to \$500

Berning, Mr. & Mrs. A. D.  
 Buckner, Mrs. Walker G.  
 Burke, Mrs. John S.  
 C. A. L. Foundation, Inc.  
 Cromwell, Mr. Jarvis  
 Gibson, Mrs. Henry  
 Hagerty, Mr. Harry C.  
 Harvey, Dr. & Mrs. Harold D.  
 Moore, Mrs. Paul  
 Perkins, Mrs. George W.  
 Sprague, Mr. Raymond  
 White, Mrs. John Campbell  
 Winthrop, Eleanor B.

Babies Alumni Fund .....\$7,584

# St. Luke's Hospital Center

## Patients, Statistics

<b>Patients in Hospital First of Year</b>	1967	1966
Private .....	96	81
Semi-Private .....	206	151
Semi-Private Divisions .....	—	—
Ward .....	166	213
<b>Total</b> .....	468	445
Newborn .....	47	28
<b>Total</b> .....	515	473

<b>Admitted During Year</b>		
Private .....	3,358	3,282
Semi-Private .....	5,637	5,696
Semi-Private Divisions .....	1,506	1,069
Ward .....	7,624	7,788
<b>Total</b> .....	18,125	17,835
Newborn .....	2,334	2,177
<b>Total</b> .....	20,459	20,012

<b>Discharged During the Year</b>		
Private .....	3,343	3,367
Semi-Private .....	5,627	5,736
Semi-Private Divisions .....	1,489	1,032
Ward .....	7,615	7,701
<b>Total</b> .....	18,074	17,836
Newborn .....	2,349	2,134
<b>Total</b> .....	20,423	19,970

<b>Patients Remaining At End of Year</b>		
Private .....	111	96
Semi-Private .....	171	161
Semi-Private Divisions .....	62	45
Ward .....	175	166
<b>Total</b> .....	519	468
Newborn .....	32	47
<b>Total</b> .....	551	515

<b>Admission Classified By Religious Denominations</b>		
Protestant .....	7,190	7,182
Roman Catholics .....	8,552	8,215
Hebrew .....	2,124	2,303
Other Religions and None .....	2,593	2,312
<b>Total</b> .....	20,459	20,012

<b>Analysis of Patients Discharged</b>	1967	1966
Cured or Improved .....	19,171	18,871
Unimproved .....	573	474
In for Diagnosis .....	5	4
Left Against Advice .....	108	118
Died .....	566	503
<b>Total</b> .....	<u>20,423</u>	<u>19,970</u>

<b>Total Patient Days</b>		
Private .....	42,977	42,359
Semi-Private .....	71,610	68,368
Semi-Private Divisions .....	24,054	15,439
Ward .....	85,694	93,675
<b>Total</b> .....	<u>224,335</u>	<u>219,841</u>
Newborn .....	15,838	14,843
<b>Total</b> .....	<u>240,173</u>	<u>234,684</u>

<b>Average Daily Census</b>		
Private .....	118	116
Semi-Private .....	196	187
Semi-Private Divisions .....	66	42
Ward .....	234	257
<b>Total</b> .....	<u>614</u>	<u>602</u>
Newborn .....	43	41
<b>Total</b> .....	<u>657</u>	<u>643</u>

<b>Average Stay Per Patient</b>		
Private .....	12.86	12.58
Semi-Private .....	12.73	11.92
Semi-Private Divisions .....	16.15	14.96
Ward .....	11.25	12.16
<b>Total</b> .....	<u>12.41</u>	<u>12.33</u>
Newborn .....	6.74	6.96
<b>Total</b> .....	<u>11.76</u>	<u>11.75</u>

<b>Bed Complement</b>		
Private .....	133	133
Semi-Private .....	223	227
Semi-Private Divisions .....	71	76
Ward .....	286	282
<b>Total</b> .....	<u>713</u>	<u>718</u>
Newborn .....	68	68
<b>Total</b> .....	<u>781</u>	<u>786</u>

<b>Bassinets</b>		
Regular .....	56	56
Premature .....	12	12
<b>Total</b> .....	<u>68</u>	<u>68</u>

<b>Percentage of Bed Occupancy</b>	<u>1967</u>	<u>1966</u>
Private .....	88.53	86.93
Semi-Private .....	87.96	91.26
Semi-Private Divisions .....	92.82	76.73
Ward .....	82.09	81.30
<b>Total</b> .....	<u>86.20</u>	<u>84.88</u>
Newborn .....	63.81	59.80
<b>Total</b> .....	<u>84.23</u>	<u>92.69</u>



# Out-Patients

	<u>1967</u>	<u>1966</u>
<b>Out-Patient Department</b>		
Total Number of Patient Visits .....	159,977	136,941
Number of Individuals Treated .....	31,158	43,329
<b>Cases Examined in Admitting and Emergency Departments</b>		
Treated And Referred To Out-Patient Department .....	39,380	36,154
Treated And Referred To Private Doctors .....	739	1,437
Treated And Referred To Personnel Office .....	304	433
Treated And Referred Elsewhere .....	517	895
Treated And Discharged .....	31,826	25,435
Examined and Admitted .....	5,326	4,537
Compensation Cases Treated And Referred Elsewhere ...	165	450
Left Without Being Seen; Against Advice .....	2,178	1,652
Columbia Health Service .....	1,066	1,426
<b>Total</b> .....	<u>81,501</u>	<u>72,419</u>

## Number of Employees

(As of December 31, 1967)

	<u>1967</u>	<u>1966</u>
Residents And Interns .....	131	132
Nursing Care .....	863	857
Student Nurses, Including Preclinical Students .....	183	208
School of Nursing .....	39	36
Operating Rooms (Including Maids And Porter) .....	74	80
Delivery Rooms .....	21	23
Miscellaneous Professional Care .....	140	137
X-Ray Department .....	86	79
Pathological Laboratory .....	93	87
Other Special Services Departments .....	79	86
Out-Patient Department .....	66	92
Dietary Department .....	254	236
Housekeeping Department .....	165	190
Maintenance of Personnel .....	45	21
Laundry .....	69	69
Linen And Sewing Room .....	19	19
Maintenance of Building, Ground And Equipment .....	51	52
Operation of Plant .....	55	56
Business Offices And Telephone .....	276	230
Purchasing And Storeroom .....	19	15
Executive Offices .....	18	20
Religious Service Department .....	5	5
Research .....	171	133
Others .....	49	45
<b>Total</b> .....	<u>2,971</u>	<u>2,908</u>

# Special Service Departments

## X-Ray Department

### Radiography:

	1967	1966
Examination of In-Patients .....	31,183	28,866
Examination of Clinic Patients .....	33,114	28,958
Examination of Referred Out-Patients .....	3,308	3,475
<b>Total</b> .....	<u>67,605</u>	<u>61,299</u>
Number of Films Used .....	<u>196,122</u>	<u>172,911</u>

### Radiotherapy-Number of Treatments:

In-Patients .....	3,338	3,270
Clinic Patients .....	1,892	1,965
Referred Out-Patients .....	2,299	2,433
<b>Total</b> .....	<u>7,529</u>	<u>7,668</u>

## Pathological Laboratory Department

### Number of Tests:

In-Patients .....	318,902	298,786
Clinic Patients .....	125,644	89,265
Referred Out-Patients .....	13,245	11,265
Research and Others .....	29,231	19,375
<b>Total</b> .....	<u>487,022</u>	<u>418,691</u>

## Operating Rooms

### Number of Operations:

Private Patients .....	1,789	1,963
Semi Private Patients .....	4,728	4,289
Ward Patients .....	4,116	4,522
Clinic Patients .....	—	—
Referred Out-Patients .....	147	132
<b>Total</b> .....	<u>10,780</u>	<u>10,906</u>

## Physical Medicine Department

### Number of Treatments:

In-Patients .....	20,432	20,034
Clinic Patients .....	17,273	16,947
Referred Out-Patients .....	3,324	3,207
<b>Total</b> .....	<u>41,029</u>	<u>40,188</u>
Total Number of Patients Visits .....	<u>18,186</u>	<u>17,237</u>

## Electrocardiograph Department

### Number of Examinations:

In-Patients .....	10,854	9,775
Clinic Patients .....	3,682	1,775
Referred Out-Patients .....	47	106
<b>Total</b> .....	<u>14,583</u>	<u>11,656</u>

	<u>1967</u>	<u>1966</u>
<b>Electroencephalograph Department</b>		
Number of Examinations:		
In-Patients .....	549	453
Clinic Patients .....	403	341
Referred Out-Patients .....	193	191
<b>Total</b> .....	<u>1,145</u>	<u>985</u>
<b>Metabolism Department</b>		
Number of Tests:		
In-Patients .....	17	35
Clinic Patients .....	13	17
<b>Total</b> .....	<u>30</u>	<u>52</u>
<b>Cystoscopic Department</b>		
Number of Treatments:		
In-Patients .....	821	718
Clinic Patients .....	299	214
<b>Total</b> .....	<u>1,120</u>	<u>932</u>
<b>Blood Bank</b>		
Number of Transfusions:		
In-Patients .....	4,167	5,153
<b>Total</b> .....	<u>4,167</u>	<u>5,153</u>
<b>Hearing and Speech</b>		
Number of Treatments:		
In-Patients .....	157	260
Clinic Patients .....	1,254	2,714
<b>Total</b> .....	<u>1,411</u>	<u>2,974</u>

**CARDIOPULMONARY LABORATORY**

	<u>1967</u>	<u>1966</u>
Right Heart Catheterizations .....	110	107
Left Heart Catheterizations .....	68	75
Selective Cine & Angiocardigrams* .....	106	104
Cardiac Pacemakers .....	36	44
Miscellaneous Heart Studies .....	49	11
<b>Total Heart Studies</b> .....	<u>369</u>	<u>341</u>
Pulmonary Function Studies .....	753	576
<b>Total Cardiopulmonary Studies</b> .....	<u>1,122</u>	<u>917</u>

\*In conjunction with Department of Radiology

**INHALATION THERAPY (Number of Patient Treatments)**

Intermittent Positive Pressure Breathing Aerosol:		
Bedside .....	12,046	19,965
Respiratory Clinic .....	17,608	
Oxygen Inhalation:		
Nasal & Mask .....	3,225	3,013
Tent .....	781	2,560
Incubators .....	1,430	
Humidifying Treatments:		
Tracheotomy Mask .....	388	72
Face Tent .....	60	
Aerosol (heated) .....	137	101
Group Tents .....	354	—
Volume Respirators .....	<u>238</u>	<u>230</u>
<b>Total Treatments</b> .....	<u>36,267</u>	<u>25,941</u>

# Department of Religious Services

	<u>1967</u>	<u>1966</u>
<b>Special Services</b>		
Baptisms .....	9	9
Marriages .....	2	2
Memorial Services .....	3	7
Burials .....	14	14
<b>Services of Holy Communion</b>		
Sundays .....	107	105
Other Days .....	83	93
Bedside .....	1,147	1,176
Total Communions Administered .....	3,548	4,496
<b>Services Conducted in Chapel and Wards</b>		
Sundays .....	911	658
Other Days .....	1,156	1,514
Total Chapel Attendance .....	15,184	19,983









